



U.S. Department of Transportation

National Highway Traffic Safety Administration

## Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

\*\*\* \*\*\* \*\*\*



# CASE SUMMARY

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

PSU 09 CASE NO. 003 K TYP

TYPE OF ACCIDENT Two Car + Rolloure

# A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Injury mechanism and vehicle crashworthiness is the focus, not driver culpability. <u>Do not include any personal identifiers.</u>)

Vehicle one was traveling north on a two land undivided road, vehicle two was stopped on the north-bound road edge, partially in the road, facing south. The front of varicle one struck the right side of vehicle two. VI then rolled our one-half turn, comming to rest in the north-bound land. Buth vehicles were the round due to damage. One occupant of vI was transported with "B" injuries.

Vehicle Class		ass		re Damage icle Inspection			
No.	of Year/Make/Model Vehicle		Damage Plane	Severity Description	Component Failure		
01	Compact	1984 Pontial Sunbird 2000	Top	Severa	None		
02	Compact 1984 Pontial Sunbird 2000 Lange Pickup 1981 Ford F250 Custon		Right Modern		Non		

DO NOT SANITIZE THIS FORM

	C. PERSON PROFILE(S)								
Vehicle No.	Person Role	Seat Position	Restraint Use			TED BY	ZONE CENTER)		
01	Driver	L-Frond	Lap 1541de	Body Region	Injury Type	AIS	Injury Source		
01	Assage	R-Fant	Lup 1541de						
01	Passage	L-Rear	None		·				
01	Pussage	C-Rear	Nont						
01	Pussage	R-Resp	Nont						
02	Passon	L-Fant	Lap 1st lde Lup 1st lde None None None						
	-								
					:				
			•						

## **Body Region**

Abdomen Ankle—foot Arm (upper)

Back-thoracolumbar spine

Brain
Chest
Ears
Eye
Elbow
Face
Forearm
Head—skull
Heart
Kidneys

Lower limbs(s) (whole or unknown part)

Liver Lower Mouth

Knee

Leg (lower)

Neck-cervical spine

Nose

Pelvic-hip

Pulmonary—lungs

Shoulder Spleen Thigh

Thyroid, other endocrine gland Upper limb(s) (whole or unknown

part)
Vertebrae
Whole body
Wrist—hand

### **Injury Type**

Abrasion
Amputation
Avulsion
Burn
Concussion
Contusion
Crush

Detachment, separation

Dislocation

Fracture

Fracture and dislocation

Laceration Other

Perforation, puncture

Rupture Sprain Strain

Total severance, transection

Unknown

# Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

# DO NOT SANITIZE THIS FORM

PSU09 1996 Case Summary Form CASE 003K TYPE OF ACCIDENT: TWO CAR, ROLLOVER

A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

Vehicle one was traveling north on a two lane undivided road. Vehicle two was stopped on the north-bound road edge, partially in the road, facing south. The front of vehicle one struck the right side of vehicle two. V1 then rolled over one-half turn, comming to rest in the north-bound lane. Both vehicles were towed due to damage. One occupant of V1 was transported with "B" injuries.

PSU09 1996 Case Summary Form CASE 003K TYPE OF ACCIDENT: TWO CAR, ROLLOVER

# B. VEHICLE PROFILE(S)

V.		}	Most Severe on Vehicle	Damage Base Inspection	ed
ħ. No	Class of Vehicle	Year/Make/ Model	Damage Plane	Severity Descr.	Component Failure
01	Compact	1984 Pontiac Sumbird 2000	Тор	Severe	None
02	Large Pickup	1981 Ford F250 Custon	n Right	Moderate	None

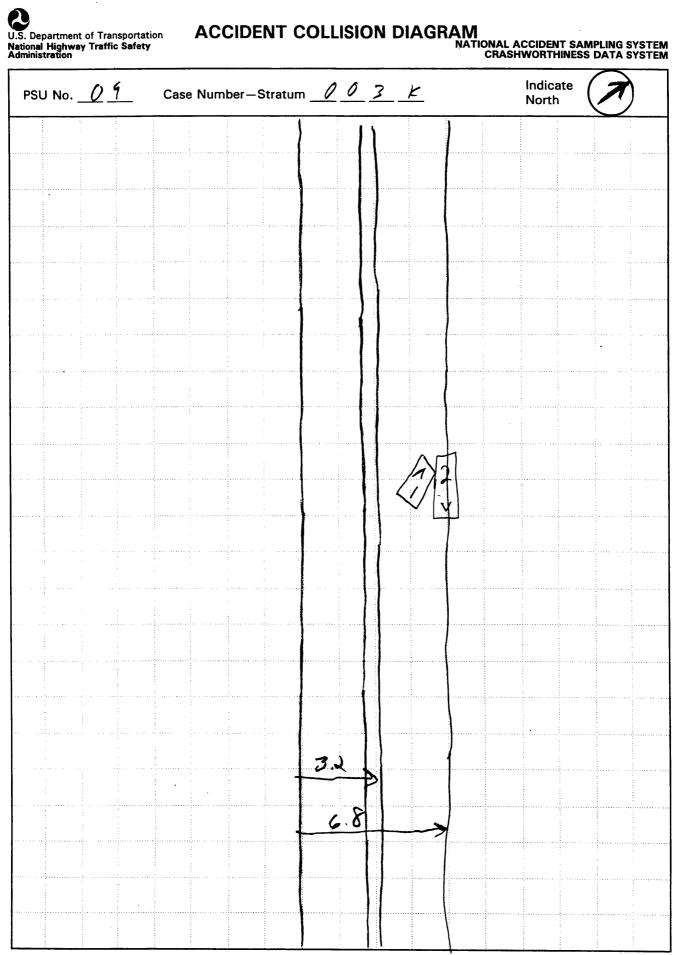
1996 Case Summary Form

PSU09 1996 Case CASE 003K TYPE OF ACCIDENT: TWO CAR, ROLLOVER

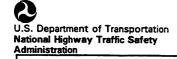
# C. PERSON PROFILE(S)

(10	DE	Most	Sever	퉏~]	njury	CENTER)
CIU	DE	COMPL	EIED	BY	ZUNE	CENTERY

1.3			(10 DE	COM LETED DI ZO	ME CENTERY	
e h. Perso No Role	n Seat Positon	Restraint Use	Body Region	A Injury I Type S	Injury Source	
01 Driver 01 Passng 01 Passng 01 Passng 01 Passng 02 Driver 0	r C-Rear r R-Rear	Lap/Shldr Lap/Shldr None None None None		STRAIN   LACERATION   STRMIN   RIES DRIES	MPACT FORCE  ROOF SIDERAL  IMPACT FORCE	



SU No	09			OLLISION DIAG		Indicate North	
le		k	k	<b>301</b>	V		K
Ų		V	/			۲	<b>v</b>
•	<b> </b>				V	Y	· <i>V</i>
<b>V</b>	r		r		r	Y	
		6	<b>/</b>	11	Y	k	
<u>.</u>	r		۴		K		Þ
<b>/</b>		6				r	



# ACCIDENT COLLISION MEASUREMENT TABLE

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Primary Sampling Unit Number	<del>-</del>	Case Number-	-Stratum <u>0 03 Ł</u>
ACCIDENT COLL  Document the physical plant:  all road/roadway delineation (e.g., curbs/edge lines, lane markings, median markings, pavement markings, parked vehicles, poles, signs, etc.)  all traffic controls (e.g., signs/signals, etc.)  north arrow placed on diagram  roadway surface type and condition of applicable roadways  grade measurements for all applicable roadways and at location of rollover initiation  roadway curvature (include measurement of precrash superelevation for each vehicle if applicable)	Pocument vehicle dynamics  reference point and refere to physical features present a induced physical evidence  scaled documentation of a induced physical evidence  scaled documentation of a objects contacted  scaled representations of the pre-impact, impact, and flit upon either:  a) physical evidence, of the physical evidence, of the physical evidence, or the pre-impact, impact, and flit upon either:	Heading Heading Heading Surface Surface Condition he vehicle(s) at hal rest based Grade (heading Heading Heading Heading Condition he vehicle(s) at hal rest based Grade (heading Heading Head	ent of  w/h)  ement in impact if rest)  w/h)  ement tion of initiation)  w/h)  ement tion of initiation)  w/h)  ement trash
Reference Point:	Refe	rence line:	
ltem		ance and Direction n Reference Point	Distance and Direction from Reference Line
— 1/a	PI I	<i>r</i> 1	
700	Physical 1	Evidance -	

Item	Distance and Direction from Reference Point	Distance and Direction from Reference Line

# **ACCIDENT FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1 Primary Came	oling Unit Number	1	9	SPECIAL STUDIE	S - INDICATO	DRS
2. Case Number	- Stratum	0031	has be	(✓) each special stu een completed; code s and O for the special	1 for the chec	ked special
	IDENTIFICATION	ON		•		
3. Number of Ge Forms Submit		06	2   -	SS15 Adminis		<u> </u>
4. Date of Accid		/ / <b>9</b>	6 8 °	(Data for this spec in a separate file.)	•	tudy <u>0</u>
(Ivionitii,Day, I		-'	8. –	SS17 Impact F	-ires	
5. Time of Accid		2/19	9	SS18 Unsafe I	Driver Actions	0
Code repo	orted military time	of accident.				$\sim$
	idnight = 2400 nknown = 9999		10	SS19 Run Off	Road	
				NUMBER C	OF EVENTS	
				NOMBER	OF EVENTS	
			1	lumber of Recorded This Accident	Events	02
				code the number of	events which oc	curred
				this accident.		Julia
		ACCID	ir	n this accident.		561100
For each event t	that occurred in the	accident, code the	ir ENT EVEN	n this accident.	·	
For each event t involved vehicle	that occurred in the	accident, code the	ir ENT EVEN	this accident.	·	
Accident Event Sequence	or object in the rig	accident, code the ght columnns. Class Of	Iowest number General Area of	TS ered vehicle in the left Vehicle Number or	columns and the	other General Area of
Accident Event	or object in the ri	accident, code the ght columnns.	ENT EVEN	TS ered vehicle in the left Vehicle Number	columns and the	other General
Accident Event Sequence Number	ver object in the rig Vehicle Number	accident, code the ght columnns. Class Of Vehicle	In ENT EVEN  Iowest number  General  Area of  Damage	TS ered vehicle in the left Vehicle Number or	columns and the Class Of Vehicle	other General Area of Damage
Accident Event Sequence Number	Vehicle Number	accident, code the ght columnns.  Class Of Vehicle	In ENT EVEN  Iowest number  General Area of Damage	TS ered vehicle in the left  Vehicle Number or Object Contacted	Class Of Vehicle	other  General Area of Damage
Accident Event Sequence Number  12. 0 1  19. 0 2	Vehicle Number  13	accident, code the ght columnns.  Class Of Vehicle  14. 22	General Area of Damage	TS ered vehicle in the left Vehicle Number or Object Contacted	Class Of Vehicle  17. 3 (	other  General Area of Damage  18. 7
involved vehicle  Accident Event Sequence Number  12. 0 1  19. 0 2  26. 0 3	Vehicle Number  13	accident, code the ght columnns.  Class Of Vehicle  14. 22  21. 22	General Area of Damage  15	red vehicle in the left  Vehicle Number or Object Contacted  16. 2  23. 3 /	Class Of Vehicle  17. 3 (  24. 0 0  31	other  General Area of Damage  18. 7  25. 4  32. 4

IF GREATER THAN FIVE EVENTS, CONTINUE CODING ON THE ACCIDENT EVENT SUPPLEMENT

#### **CODES FOR CLASS OF VEHICLE** (00) Not a motor vehicle (31) Large pickup truck (≤ 4,536 kgs GVWR) (01) Subcompact/mini (wheelbase < 254 cm) (38) Other pickup truck (≤ 4,536 kgs GVWR) (39) Unknown pickup truck type (≤ 4,536 kgs GVWR (02) Compact (wheelbase ≥ 254 but < 265 cm) (03) Intermediate (wheelbase ≥ 265 but < 278 cm) (45) Other light truck (≤ 4,536 kgs GVWR) (04) Full size (wheelbase ≥ 278 but < 291 cm) -(48) Unknown light truck type (≤ 4,536 kgs GVWR) (05) Largest (wheelbase ≥ 291 cm) (49) Unknown light vehicle type (09) Unknown passenger car size (50) School bus (excludes van based)(>4,536 kgs GVWR) (14) Compact utility vehicle (58) Other bus (> 4,536 kgs GVWR) (15) Large utility vehicle (≤ 4,536 kgs GVWR) (59) Unknown bus type (16) Utility station wagon (≤ 4,536 kgs GVWR) (60) Truck (> 4,536 kgs GVWR) (19) Unknown utility type (67) Tractor without trailer (20) Minivan (≤ 4,536 kgs GVWR) (68) Tractor-trailer(s) (78) Unknown medium/heavy truck type (21) Large van (≤ 4,536 kgs GVWR) (24) Van Based school bus (≤ 4,536 kgs GVWR) (79) Unknown light/medium/heavy truck type (28) Other van type (≤ 4,536 kgs GVWR) (80) Motored cycle (29) Unknown van type (≤ 4,536 kgs GVWR) (90) Other vehicle (30) Compact pickup truck (≤ 4,536 kgs GVWR) (99) Unknown **CODES FOR GENERAL AREA OF DAMAGE (GAD) CDS APPLICABLE** (0) Not a motor vehicle (R) Right side (T) Top AND OTHER (N) Noncollision (L) Left side (U) Undercarriage **VEHICLES** (F) Front (B) Back (9) Unknown TDC (0) Not a motor vehicle (L) Left side (C) Rear of cab (N) Noncollision APPLICABLE (B) Back of unit with cargo area (V) Front of cargo area **VEHICLES** (F) Front (rear of trailer or straight truck) (T) Top (R) Right side (D) Back (rear of tractor) (U) Undercarriage (9) Unknown **CODES FOR VEHICLE NUMBER OR OBJECT CONTACTED** (01-30) - Vehicle Number (57) Fence (58) Wall Noncollision (59) Building (31) Overturn - rollover (excludes end-over-end) (60) Ditch or culvert (32) Rollover - end-over-end (61) Ground (33) Fire or explosion (62) Fire hydrant (34) Jackknife (63) Curb (35) Other intraunit damage (specify): (64) Bridge (68) Other fixed object (specify): (36) Noncollision injury (38) Other noncollision (specify): (69) Unknown fixed object (39) Noncollision - details unknown Collision with Nonfixed Object (70) Passenger car, light truck, van, or other vehicle Collision With Fixed Object not in-transport (41) Tree (≤ 10 cm in diameter) (71) Medium/heavy truck or bus not in-transport (42) Tree (> 10 cm in diameter) (72) Pedestrian (43) Shrubbery or bush (73) Cyclist or cycle (44) Embankment (74) Other nonmotorist or conveyance (45) Breakaway pole or post (any diameter) (75) Vehicle occupant Nonbreakaway Pole or Post (76) Animal (50) Pole or post (≤ 10 cm in diameter) (77) Train (51) Pole or post (> 10 cm but ≤ 30 cm in diameter) (78) Trailer, disconnected in transport (52) Pole or post (> 30 cm in diameter) (79) Object fell from vehicle in-transport (53) Pole or post (diameter unknown) (88) Other nonfixed object (specify): (54) Concrete traffic barrier (89) Unknown nonfixed object (55) impact attenuator (56) Other traffic barrier (includes guardrail) (98) Other event (specify): (specify):\_ (99) Unknown event or object

PSU, 09-003K National Accident Sampling System-Crashworthiness Data System: General Vehicle Form  $\gamma$ -0/

	PRECRASH ENVIRONMENTAL DATA			
	THEORACH ENVIRONMENTAL DATA	25.	Roadway Surface Condition	.
10	Polation To Interchange Or Investiga	[	(1) Dry	-
19.	Relation To Interchange Or Junction	l	(2) Wet	
	(0) Non-interchange area and non-junction		(3) Snow or slush	
	(1) Interchange area related		(4) Ice	
			• •	
	Non-Interchange junctions	1	(5) Sand, dirt, or oil	
	(2) Intersection related	l	(8) Other (specify):	1
	(3) Driveway, alley access related		(9) Unknown	- 1
	(4) Other junction (specify)			,
	(1)	26	Light Conditions	4
	(5) Unknown type of junction	20.	Light Conditions 0	_
	(o) Chancum type of junction	l	(1) Daylight	
	(9) Unknown		(2) Dark	
	(3) Olikilowii	1	(3) Dark, but lighted	
			(4) Dawn	
	//		(5) Dusk	
20.	Trafficway Flow		(9) Unknown	
	(0) Not physically divided (two way traffic)			
	(1) Divided trafficway-median strip without			
	positive barrier	27.	Atmospheric Conditions	)
	(2) Divided trafficway-median strip with positive	١	(0) No adverse atmospheric-related driving	_
	barrier		conditions	
	(3) One way traffic			
	(9) Unknown		(1) Rain	
	(5) CHRIGWII		(2) Sleet/hail	
			(3) Snow	- 1
21.	Number Of Travel Lanes	l	(4) Fog	
	(1) One		(5) Rain and fog	l
	(2) Two		(6) Sleet and fog	
	(3) Three		(7) Other (e.g., smog, smoke, blowing sand or	ļ
	(4) Four		dust, etc.) (specify):	
			,	Ì
	(5) Five		(9) Unknown	
	(6) Six		(o) Sincistri	_
	(7) Seven or more	28	Traffic Control Device	)
	(9) Unknown	20.	(0) No traffic control(s)	-
			· ·	
22	Roadway Alignment		(1) Traffic control signal (not RR crossing)	i
	(1) Straight		0	ļ
			Regulatory	l
	(2) Curve right		(2) Stop sign	
	(3) Curve left		(3) Yield sign	ı
	(9) Unknown		(4) School zone sign	
	ا د		(5) Other regulatory sign (specify):	l
23	Roadway Profile			l
	(1) Level		(6) Warning sign (not RR crossing)	l
			(7) Unknown sign	
	(2) Uphill grade (>2%)		(8) Miscellaneous/other controls including RR	
	(3) Hill crest		controls (specify):	
	(4) Downhill grade (>2%)			
	(5) Sag		(9) Unknown	
	(9) Unknown		(O) CHRIGAN	Ī
	^			
24	Roadway Surface Type	20	Traffic Control Davids 5	ا رم
	Tioddwdy Cullace Type	∠9.	Traffic Control Device Functioning	<b>_</b>
	(1) Concrete		(0) No traffic control device	l
	(2) Bituminous (asphalt)		(1) Traffic control device not functioning	-
	(3) Brick or block		(specify):	1
	(4) Slag, gravel, or stone		• · · · · · · · · · · · · · · · · · · ·	
	(5) Dirt •		(2) Traffic control device functioning properly	
	(8) Other (specify):		(9) Unknown	
	(9) Unknown			
			BEST AVAILABLE	
		L		

National Accident Sampling System-Crashworthiness Data System: General Vehicle Form  $\sqrt{-01}$ 

	OCCUPANT RELATED	44. Vehicle Cargo Weight 0000
	Driver Presence in Vehicle (0) Driver not present (1) Driver present (9) Unknown	Code weight to nearest 10 kilograms. (000) Less than 5 kilograms (454) 4,536 kilograms or more (999) Unknown
38.	Number of Occupants This Vehicle (00-96) Code actual number of occupants for this vehicle (97) 97 or more (99) Unknown	Source:   Sour
39.	Number of Occupant Forms Submitted 0 5	(00) No rollover (no overturning)
	AIR BAG RELATED  Is this an AOPS Vehicle? (0) No (includes unknown) (1) Yes - researcher determined (2) VIN determined air bag system (3) VIN determined automatic (passive) belts (4) VIN determined air bag and automatic	Rollover (primarily about the longitudinal axis) (01-16) Code the number of quarter turns (17) Rollover, 17 or more quarter turns (specify): (98) Rolloverend-over-end (i.e., primarily about the lateral axis) (99) Rollover (overturn), details unknown  46. Rollover Initiation Type
41.	(passive) belts  Air Bag(s) Deployment, First Seat Frontal (0) Not equipped or not available (1) No air bags deployed  Single Air Bag Vehicle (2) Driver air bag deployed	(00) No rollover (01) Trip-over (02) Flip-over (03) Turn-over (04) Climb-over (05) Fall-over (06) Bounce-over
	<ul> <li>(3) Driver air bag, unknown if deployed</li> <li>Multiple Air Bag Vehicle</li> <li>(4) Driver side only deployed</li> <li>(5) Passenger side only deployed</li> <li>(6) Driver and passenger side deployed</li> <li>(7) Driver and passenger side unknown if deployed</li> <li>(8) Air bag(s) deployed, details unknown</li> <li>(9) Unknown</li> </ul>	(07) Collision with another vehicle (08) Other rollover initiation type specify):  (98) Rolloverend-over-end (99) Unknown rollover initiation type  47. Location of Rollover Initiation (0) No rollover (1) On roadway (2) On shoulder—paved (3) On shoulder—unpaved
	Air Bag(s) Deployment, Other Than First Seat Frontal  (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact)  (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown  (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)  (5) Unknown if deployed	(4) On roadside or divided trafficway median (8) Rolloverend-over-end (9) Unknown  48. Rollover Initiation Object Contacted (Note: Applicable codes on back of page)  49. Location on Vehicle Where Initial Principal Tripping Force Is Applied (0) No rollover (1) Wheels/tires
	(7) Nondeployed (9) Unknown  Specify type of "other" air bag present:  VEHICLE WEIGHT ITEMS	(2) Side plane (3) End plane (4) Undercarriage (5) Other location on vehicle (specify):  (6) Non-contact rollover forces (specify):  (8) Rolloverend-over-end (9) Unknown
43	Vehicle Curb Weight Code weight to nearest 10 kilograms (045) Less than 454 kilograms (612) 6,124 kilograms or more (999) Unknown 1,43   lbs x .4536 =   1,   0 3   kgs  Source:	50. Direction of Initial Roll (0) No rollover (1) Roll right - primarily about the longitudinal axis (2) Roll left - primarily about the longitudinal axis (8) Rolloverend-over-end (9) Unknown roll direction

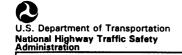
PSU109-003K

# CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover (57) Fence (01-30) - Vehicle Number (58) Wall (59) Building Noncollision (60) Ditch or culvert (31) Turn-over — fall-over (32) No rollover impact initiation (end-over-end) (61) Ground (62) Fire hydrant (34) Jackknife (63) Curb (64) Bridge Collision With Fixed Object (68) Other fixed object (specify): (41) Tree (≤ 10 cm in diameter) (42) Tree (> 10 cm in diameter) (69) Unknown fixed object (43) Shrubbery or bush (44) Embankment Collision with Nonfixed Object (70) Passenger car, light truck, van, or other (45) Breakaway pole or post (any diameter) vehicle not in-transport (71) Medium/heavy truck or bus not in-transport Nonbreakaway Pole or Post (76) Animal (50) Pole or post (≤ 10 cm in diameter) (77) Train (51) Pole or post (> 10 cm but ≤ 30 cm in (78) Trailer, disconnected in transport diameter) (79) Object fell from vehicle in-transport (52) Pole or post (> 30 cm in diameter) (88) Other nonfixed object (specify): (53) Pole or post (diameter unknown) (89) Unknown nonfixed object (54) Concrete traffic barrier (55) Impact attenuator (98) Other event (specify): (56) Other traffic barrier (includes guardrail)

(99) Unknown event or object

(specify):\_



1. Primary Sampling Unit Number

# **EXTERIOR VEHICLE FORM**

3. Vehicle Number

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

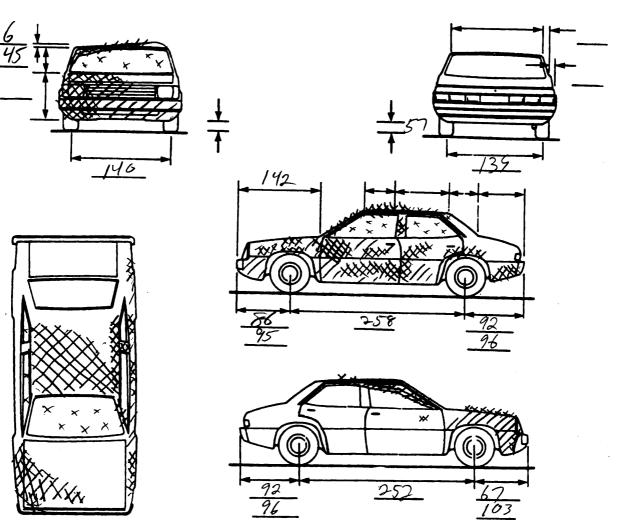
2. Case I	Number - Stratum	_0	03	<u>/c</u>							
			VEHICLE	IDENTI	FICAT	ION					
VIN	GAAB	690	IE	<u> </u>				-	Model	Year	34
Vehicle Ma	ake (specify): <u>Po</u>	ntiac		<del>-</del>	Vehicle	Model (	specify)	: <i>5</i>	uns		200¢
			L	OCATO	)R						
	e end of the damager an undamaged axio			vehicle's	damag	ed cente	er point	or bum	per cor	ner for e	∍nd
Specific Impa		of Direct Dama	T		Location	n of Field	_		Location	of Max Cr	ush
0/	R/F com	· > /1	ff.	Entil	1. Fr.	nt B	more		6		
02	Rollani			r	10/10	nt B			Tox	0	
		CRU	SH PROF	ILE IN	CENTII	METER	S				
NOTES: I	dentify the plane at ill, etc.) and label ac	which the ( djustments	C-measurer (e.g., free	ments are space).	e taken	(e.g., at	bumpe	r, above	bumpe	er, at sill	, above
N ii	Measure C1 to C6 fr mpacts.	om driver to	o passenge	er side in	front or	rear im	pacts ar	nd rear 1	to front	in side	
t · s	ree space value is on he individual C locat ide taper, etc. Reco	tions. This ord the valu	may include e for each	le the fol C-measu	lowing: irement	bumper and ma	lead, be ximum o	umper t	body co aper, si	ontour ta de protr	aken at usion,
Specific	Jse as many lines/co	Direct D		describ	e each o	damage	profile.		T	T	
Impact Number	Plane of Impact C-Measurements	Width (CDC)	Max Crush	Field L	C <sub>1</sub>	C₂	C₃	C₄	C₅	C <sub>6</sub>	±D
01	Bungar	36	<i>C</i> 6	134	7	3	ಭ	4	15	36	+53
	FMISAGE				7	2	0	0	2	7	
5pm	15 PULL OUTE	· C~			8	8	8	8	8	8	
01	Final	36	C6	134	0	0	$\Omega$	0			+53
			_								
02			26		- R	0110	~~				
											$\vdash$
									<u> </u>		1
									<u> </u>		
•									<del> </del>	<b> </b>	<del>                                     </del>
											$\vdash$
						-		<u> </u>		<del>                                     </del>	<del>                                     </del>

# ORIGINAL SPECIFICATIONS WORK SHEET

						4
Wheelbase	101.2	inches	x	2.54	=	<u> 257</u> cm
Overall Length	<u> 173.6</u>	inches	x	2.54	=	<u>441</u> cm
Maximum Width	<u>_ 68.6</u>	inches	x	2.54	=	174 cm
Curb Weight	2,431	pounds	x	.4536	=	1,103 kg
Average Track	_55.3	inches	x	2.54	=	<u> </u>
Front Overhang		inches	x	2.54	=	cm
Rear Overhang		inches	x	2.54	=	cm
Undeformed End Width	<u> </u>	inches	x	2.54	=	cm
Engine Size: cyl./displ.		СС	x	.001	=	<u>/.</u> 8 .
		CID	x	.0164	=	· L

#### **VEHICLE DAMAGE SKETCH** TIRE-WHEEL DAMAGE **ORIGINAL SPECIFICATIONS** WHEEL STEER ANGLES a. Rotation physically b. Tire (For locked front wheels or restricted deflated Wheelbase cm displaced rear axles only) RF ± Overall Length cm RF LF 174 LF Maximum Width cm RR LR ± **Curb Weight** kg Within ± 5 degrees Average Track cm (1) Yes (2) No (8) NA (9) Unk. **DRIVE WHEELS** Front Overhang cm TYPE OF TRANSMISSION FWD DRWD 04WD Rear Overhang cm ☐ Manual Д Automatic Undeformed End Width cm END SHIFT ≥ 1,0 CM **Approximate** Engine Size: cyl./displ. Cargo Weight □ Yes kg √Q′No

## **MEASUREMENTS IN CENTIMETERS**



NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

			CDC \	NORKSHE						
		C	ODES FOR	OBJECT CON	TACTED					
(01.20)	Mahiala Ni									
(01-30)	- Vehicle Nu	ımber		•	) Fence					
					) Wall					
Noncoli					) Building					
		ollover (excludes	end-over-er	nd) (60	) Ditch or	culvert				
(32)	Rollover-end	d-over-end		(61	) Ground					
(33)	Fire or explos	sion		(62	) Fire hyd	rant				
(34)	Jackknife				) Curb					
(35)	Other intraun	it damage (speci	fv):		) Bridge					
		0	. , , .			xed object (	specify).			
(36)	Noncollision i	iniury	<del></del>	,,,,,	,	(00,000	opcony,.			
		lision (specify):		(69	) Unknow	n fixed obje	ect	<del></del>		
(39)	Noncollision	<ul> <li>details unknov</li> </ul>	vn	Collisi	on with No	onfixed Obje	ect			
				(70	) Passeng	er car, light	truck, van,	or other		
Collision	n With Fixed C	Obiect		,	vehicle i	not in-trans	nort	0. 01.10.		
	Tree (≤ 10 cr			171				in-transport		
		m in diameter)			) Pedestri		k or bus not	in-transport		
	Shrubbery or									
	Embankment			(73	) Cyclist o	or cycle				
(44)	Lindankinent			(74	) Other no	onmotorist (	or conveyan	ce		
(45)	Breakaway po	ole or post (any o	liameter)	(75	) Vehicle	occupant				
					) Animal	•				
Nonbrea	akaway Pole o	r Post		-	) Train					
		≤ 10 cm in diam	eter)		Trailer, disconnected in transport					
		> 10 cm but ≤ 3		179	) Object f	Object fell from vehicle in-transport				
(,	diameter)		,	(88	) Object i	on fived obje	ct (specify):	port		
(52)		> 30 cm in diam	neter)	(00)	, Other in	onnaed obje	ct (specify).	•		
		diameter unknov		(89	) Unknow	n nonfixed	object			
/E //\	Concrete traf	fia hamian		100						
	Concrete traf			(98	) Other ev	ent (specif	y):			
		barrier (includes g	nuardrail)	199	Unknow	n event or	phiest			
(00)	(specify):			(55	, Clikilow	ii event or t	object			
		DEFORMAT	FION OLAGO	USIO A TION D	/ 5\ /5\ IS \			<del></del>		
		DEFUNIVIA	ION CLASS	IFICATION BY						
Accident		(1) (2)			(4) Specifie	(5)	(6)			
Event		Direction	Incremental	(3)	Specific -ongitudinal	Specific Vertical or	(6) Type of	(7)		
Sequence	Object	of Force	Value of	Deformation	or Lateral	Lateral	Damage	(7) Deformation		
Number	Contacted	(degrees)	Shift	Location	Location	Location	Distribution	Extent		
$\overline{\Omega}$	12	730	(2 (2		R	<u></u>	<u> </u>	<u> </u>		
~ <u>~</u> _		<u></u>	<u>U</u>		<del>/)</del>		VTV	<u> </u>		
112	3 /	Oad	00	T	Y	Ŋ	A)	nu		
	- — —	<u> </u>				<u> </u>				
								•		
				<del></del>			·			
	<del>-</del>			<u></u>						
					-					
							<del></del>			
							-			

National Accid	lent Sampling	System-Crash	worthiness Dat	a System: Exte	rior Vehicle Fo	orm BEST A	VAILABLE Page
		COLLISION	DEFORMA	TION CLAS	SIFICATIO	N	
HIGHEST I	DELTA "V"						
Accident Event Sequence Number	Object Contacted	(1) (2) Direction of Force	(3) Deformation Location	(4) Longitudinal or Lateral Location	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent
4. 02	5. <u>3</u> <u>/</u>	6. <u>O</u> <u>O</u>	7. <u>T</u>	8	9. <u> </u>	10. <u>/</u>	11. <u>04</u> Noiss contra chard Sist Review, 16
Second Hig	ghest Delta "V	/198					2nd Roview:
12. <u>0</u>	13. <u>0</u> 2	14. <u>0</u> ]	15. <u>F</u>	16. <u>R</u>	17. <u>F</u>	18. <u>A</u>	19. <u>0                                    </u>
<u></u>		CRUS	H PROFILE	IN CENTIM	ETERS		
	The crush prof	file for the dam	nage described	in the CDC(s)	above should	be documente TIMETERS.)	ed
HIGHEST E	DELTA "V"						
20. L	21. 			C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	22. ±D
						+ =	
Second Hig	ghest Delta "V'	71			·		
23. 	24. 				C <sub>5</sub>	C <sub>6</sub>	25. 
<u> 151</u>	000	000	000	<u> </u>	05 0	2/ =	053
(Coded impact in (250) (998)	250 centimeter	severity impact.) arest centimeter		(650) (999) -/- \( \mathcal{L} \)	Code to the necentimeter 650 centimeter Unknown  . 2 inches X	rs or more 2.54 = <u>257</u>	257
(For high (250)	Damage Width hest severity im Code to the nea 250 centimeters Unknown	arest centimeter	036	(185) (999)	Average Track Code to the nearest centime 185 centimeter Unknown T. Z inches X	eter 's or more	/ Y O

		$\sim$			FUEL SYSTEM	
30. Are CDCs Documented but Not Coded on The		_			ation of Fuel Tank-1 Filler Cap	了 <b></b>
Automated File? (0) No (1) Yes			36.	(0) (1) (2)	ation of Fuel Tank-2 Filler Cap  No fuel tank On back plane  Aft of center of the rear wheels (rear axis on left side plane	
<ul> <li>31. Researcher's Assessment Disposition <ul> <li>(0) Not towed due to vereiche</li> <li>(1) Towed due to verhiche</li> <li>(9) Unknown</li> </ul> </li> <li>32. Is This A Multi-Stage Mand/Or A Certified Altere <ul> <li>(0) No post manufacture</li> <li>(1) Yes - post manufacture</li> <li>(specify):</li> </ul> </li> </ul>	hicle damage e damage nufactured Vehicle ed Vehicle? er modifications urer modifications	0		(4) (5) (6) (7) (8) (9)	axle) on right side plane Other (specify): Unknown of Fuel Tank-1	r
(Include photograph PLACARD in case re (9) Unknown if vehicle is	port)		38.	(0) (1) (2) (9)	e of Fuel Tank-2 No fuel tank (electrical vehicle) Metallic Non-metallic Unknown	<u></u>
FIRE OCC	URRENCE		39.	Loca	ition of Fuel Tank-1	Z
33. Fire Occurrence (0) No fire  Yes, fire occurred (1) Minor (2) Major (9) Unknown  34. Origin of Fire (0) No fire (1) Vehicle exterior (fro (2) Exhaust system (3) Fuel tank (and othe system parts) (4) Engine compartmen (5) Cargo/trunk compai (6) Instrument panel (7) Passenger compartr (8) Other location (specially) (9) Unknown	ont, side, back, top) r fuel retention it rtment ment area	0	41.	Loca (O) (1) (2) (3) (4) (5) (6) (7) (8) (9) Dam	No fuel tank  Aft of center of the rear wheels (rear axle centered  Aft of center of the rear wheels (rear axle left side  Aft of center of the rear wheels (rear axle right side  Forward of center of the rear wheels (rear axle) centered  Forward of center of the rear wheels (rear axle) left side	e) e) . r

		T	
43.	Leakage Location of Fuel System-1	<u>/</u>	47. Is This Vehicle Equipped With More Than Two Fuel Tanks?
44	Leakage Location of Fuel System-2	U	(0) No (one or two tanks only)
77.	(0) No fuel tank		
	(1) No fuel leakage	1	Yes - More Than Two Tanks
	(1) 140 luci loukugo	- 1	(1) Yes no damage to any tank or filler
	Primary Area Of Leakage	- 1	cap and no fuel system leakage
	· · · · · · · · · · · · · · · · · · ·	l	(2) Yes no damage to any tank or filler
	·—·	- 1	cap but there is fuel system leakage
	(-)	l	(specify leakage location):
	(4) Cap	ľ	(specify leakage location).
	(5) Lines/pump/filter		(2) Vos. demons to an additional tank or
	(6) Vent/emission recovery		(3) Yes damage to an additional tank or
	(8) Other (specify):	-	filler cap and there is fuel system leakage
	(9) Unknown		(specify the following):
			Type of tank
	$\sim 1$	,	Tank location
45.	Fuel Type-1	<u>′</u>	Filler cap location
	<b>A</b> /	n 1	Tank damage
46.	Fuel Type-2	<u> </u>	Location of leakage
			Type of fuel(9) Unknown if more than two tanks
	Single Fuel Type		(9) Unknown if more than two tanks
	(00) No fuel tank		
	(01) Gasoline		
	(O2) Diesel	- 1	
	(03) CNG (Compressed Natural Gas)		COMMENTS
	(04) LPG (Liquid Petroleum Gas) also		
	known as Propane		
	(05) LNG (Liquid Natural Gas)		
	(06) Methanol (M100 or M85)		
	(07) Ethanol (E100 or E85)		
	(08) Other (Hydrogen or others) (specify):		
	Electric Powered or Electric/Solar		
	Powered Vehicles		
ĺ	(10) Lead Acid Battery		
	(11) Nickel-Iron Battery (12) Nickel-Cadmium Battery		
	(12) NICKEI-CAUMIUM DALLERY		
	(13) Sodium Metal Chloride Battery		
1	(14) Sodium Sulfur Battery		
	(18) Other (Specify):	-	
]	(98) Other Hybrid (specify):		
l	(30) Other Hybrid (specify).		
1	(99) Unknown fuel type		
	(00) Chilliann raoi typo		
1			
	*** QTOD: IE THE ODG ADDI I/	C V D I	BLE VEHICLE WAS NOT TOWED ***
	STOP. IF THE COS APPLIC		DEL VEHICLE VVAGINOTIOVVED
		(GV	V10=0)
		•	·
i	DO NOT COMPLETE T	THF!	INTERIOR VEHICLE FORM

# **INTERIOR VEHICLE FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

aministration	GLAZING
1. Primary Sampling Unit Number	Type of Window/Windshield Glazing
2. Case Number - Stratum 003 K	15. WS / 16. LF 2 17. RF 2 18. LR 2 19. RR2
3. Vehicle Number	20. BL 2 21. Roof 22. Othe 2
INTEGRITY	(O) No stanion
4. Passenger Compartment Integrity (00) No integrity loss  Yes, Integrity Was Lost Through (01) Windshield (02) Door (side) (03) Door/hatch (back door) (04) Roof	<ul> <li>(0) No glazing</li> <li>(1) AS-1 — Laminated</li> <li>(2) AS-2 — Tempered</li> <li>(3) AS-3 — Tempered-tinted (original)</li> <li>(4) AS-2 — Tempered-with after market tint</li> <li>(5) AS-3 — Tempered-tinted (with additional after market tint)</li> <li>(6) AS-14 — Glass/Plastic</li> <li>(7) Glazing removed prior to accident</li> <li>(8) Other (specify):</li> </ul>
(05) Roof glass	(9) Unknown
(06) Side window (07) Rear window (backlight)	Window Precrash Glazing Status
(08) Roof and roof glass (09) Windshield and door (side)	23. WS $\frac{1}{2}$ 24. LF $\frac{2}{2}$ 25. RF $\frac{2}{2}$ 26. LR $\frac{2}{2}$ 27. RR $\frac{2}{3}$
(10) Windshield and roof (11) Side and rear window (side window and backlight)	28. BL / 29. Roof <u>0</u> 30. Other <u>/</u>
<ul> <li>(12) Windshield and side window</li> <li>(13) Door and side window</li> <li>(98) Other combination of above (specify):</li> <li>(99) Unknown</li> </ul>	<ul> <li>(0) No glazing</li> <li>(1) Fixed</li> <li>(2) Closed</li> <li>(3) Partially opened</li> <li>(4) Fully opened</li> <li>(7) Glazing removed prior to accident</li> <li>(9) Unknown</li> </ul>
Door, Tailgate or Hatch Opening	Glazing Damage from Impact Forces
5. LF <u>3</u> 6. RF <u>3</u> 7. LR <u>/</u> 8. RR <u>3</u> 9. TG/H <u>0</u>	31. WS 32. LF / 33. RF 34. LR / 35. RR
(0) No door/gate/hatch (1) Door/gate/hatch remained closed and operational (2) Door/gate/hatch came open during collision (3) Door/gate/hatch jammed shut (8) Other (specify):  (9) Unknown	<ul> <li>36. BL  37. Roof  38. Other  (1)</li> <li>(0) No glazing</li> <li>(1) No glazing damage from impact forces</li> <li>(2) Glazing in place and cracked from impact forces</li> <li>(3) Glazing in place and holed from impact forces</li> <li>(4) Glazing out-of-place (cracked or not) and not holed from impact forces</li> <li>(5) Glazing out-of-place and holed from impact forces</li> </ul>
Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then code Ø	<ul><li>(6) Glazing disintegrated from impact forces</li><li>(7) Glazing removed prior to accident</li><li>(9) Unknown if damaged</li></ul>
10. LF <u>O</u> 11. RF <u>O</u> 12. LR <u>O</u> 13. RR <u>O</u> 14. TG/H <u>O</u>	Glazing Damage from Occupant Contact
(0) No door/gate/hatch or door not opened	39. WS / 40. LF / 41. RF / 42. LR / 43. RR /
Door, Tailgate or Hatch Came Open During Collision (1) Door operational (no damage) (2) Latch/striker failure due to damage (3) Hinge failure due to damage (4) Door structure failure due to damage (5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage (6) Latch/striker and hinge failure due to damage (8) Other failure (specify):	44. BL / 45. Roof 46. Other /  (0) No glazing (1) No occupant contact to glazing (2) Glazing contacted by occupant but no glazing damage (3) Glazing in place and cracked by occupant contact (4) Glazing in place and holed by occupant contact (5) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact (6) Glazing out-of-place by occupant contact and holed by
(9) Unknown	occupant contact (7) Glazing removed prior to accident (8) Glazing disintegrated by occupant contact

(9) Unknown if contacted by occupant

							DEST HVHILHDLE
		INTRUSION Note: Sketc					
	Longitudinal		-	Vertica	ıJ		
_	Longitudinal						
Row Width		dina	Ko	8			, <u>F</u>
(cm)		Longitudinal	للسم				Longitudinal
		J					
				Vertica	ı		
		Lateral		Vertica	u 	<u>.                                    </u>	
		ian (					5
		Longitudinal					Longitudinal
		Ĺ		76	5	<b>L</b> //	Tinal Sinal
				4			
	Longitudinal			Vértical	<u> </u>		
LOCATION OF	INTRUDED	(A COMPARISON	ll Measur	ements Are In Cen INTRUDED	timeters)	INTRUSION	DOMINANT CRUSH
INTRUSION	COMPONENT	VALUE		VALUE	=		DIRECTION
11	13 Root	92		78		4	(
13	13 "	82		67	<u>=</u> ==	15	
22	13 "	84		82	=	9	
23	13 " 16 W/s header	89		75			
13	16 m/3 header	71		61	=	-5	
11	15 Windshoold	53		48	=	10	
13	15 "	()		48	=	5-	2
/3	06 Apiller	53 41		3/	=	5	1
/3	14 Root Sich Rail	, 41		33	=	10	1
/3	07 B Pillar		_		=	8	3
23	14 Rust Sich Rail	41		40	=	/	
13	14 Roof Side Rail 06 Apiller			50	=	3	2
<i>13</i>	14 Roof Sich Pail	53 49	_	49	=	0	3
			_				

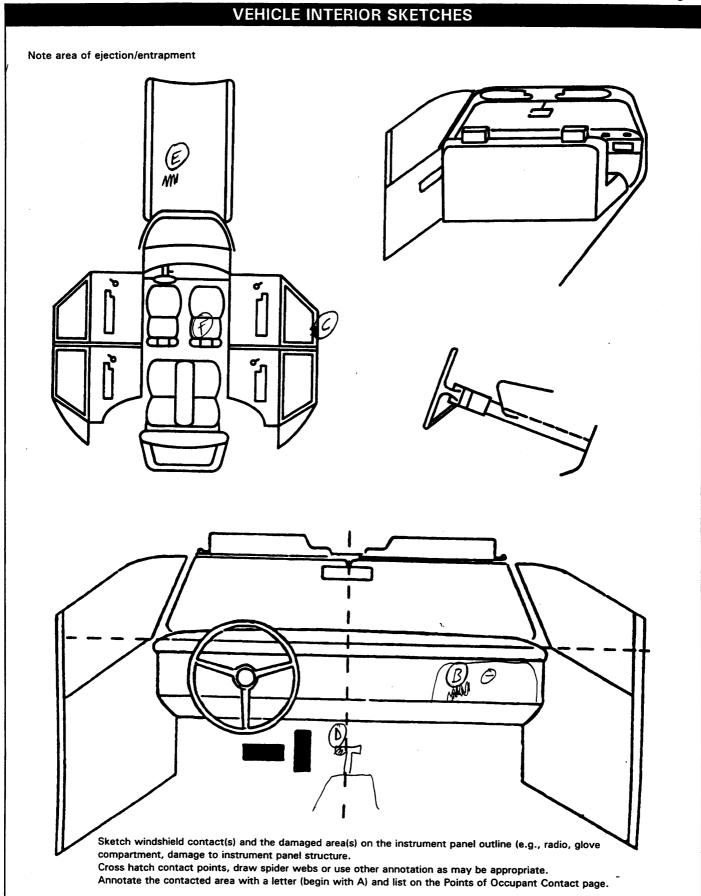
Page 2

#### OCCUPANT AREA INTRUSION Note: If no intrusions, leave variables IV47-IV86 blank. INTRUDING COMPONENT **Dominant** Interior Components Location of (01) Steering assembly Intruding Magnitude Crush Component of Intrusion Direction Intrusion (O2) Instrument panel left (03) Instrument panel center (04) Instrument panel right 1st 47. / 3 48. / 3 49. 3 50. / (05) Toe pan (06) A (A1/A2)-pillar (07) B-pillar 2nd 51. $\frac{1}{3}$ 52. $\frac{1}{6}$ 53. $\frac{2}{54}$ 54. $\frac{1}{6}$ (08) C-pillar (09) D-pillar (10) Side panel - forward of the A1/A2-pillar (11) Door panel (side) 3rd 55. 13 56. 06 57. 3 58. 1(12) Side panel - rear of the B-pillar (13) Roof (or convertible top) (14) Roof side rail (15) Windshield 4th 59. <u>43</u> 60. <u>13</u> 61. 2 62. (16) Windshield header (17) Window frame (18) Floor pan (includes sill) (19) Backlight header 3 64. 14 65. 2 66. 1 (20) Front seat back (21) Second seat back (22) Third seat back (23) Fourth seat back 6th 67. 13 68.07 69. 2 70.3 (24) Fifth seat back (25) Seat cushion (26) Back door/panel (e.g., tailgate) (27) Other interior component (specify): 7th 71. / / 72. / 6 73. / **Exterior Components** (30) Hood 8th 75. / / 76. / 5 77. / 78.2 (31) Outside surface of this vehicle (specify): (32) Other exterior object in the environment 9th 79. 13 80. 15 81. 82.2 (specify): (33) Unknown exterior object (97) Catastrophic (98) Intrusion of unlisted component(s) 10th 83. / 84. / 3 85. / 86.( (specify): (99) Unknown LOCATION OF INTRUSION **MAGNITUDE OF INTRUSION** (1) ≥ 3 centimeters but < 8 centimeters Front Seat Fourth Seat (2) ≥ 8 centimeters but < 15 centimeters (11) Left (41) Left (3) ≥ 15 centimeters but < 30 centimeters (12) Middle (42) Middle (4) ≥ 30 centimeters but < 46 centimeters (13) Right (43) Right (5) ≥ 46 centimeters but < 61 centimeters (6) ≥ 61 centimeters Second Seat (97) Catastrophic (7) Catastrophic (98) Other enclosed (21) Left (9) Unknown (22) Middle area (specify) (23) Right (99) Unknown DOMINANT CRUSH DIRECTION Third Seat (1) Vertical (31) Left (2) Longitudinal (32) Middle (3) Lateral (33) Right (7) Catastrophic (9) Unknown

	ST	EERING	RIM/SPOKE DEFO	ORM <u>ATI</u>	ON	
		_	easurements Are in Centim			
	COMPARISON VALUE	_	DAMAGE VALUE	=	DEFORMATION	
1				=	***	
				=		
		_		=		<del></del> ,
		_		=		
	N 15 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1	***************************************		<del></del>		
<u> </u>						
						. •
			·			
	•					
			·			
					·	, w.
						:

Page 3

STEERING COLUMN	INSTRUMENT PANEL
87. Steering Column Type	92. Odometer Reading / 0 7 ,000
(1) Fixed column	
(2) Tilt column	kilometers
(3) Telescoping column	Code to the nearest 1,000 kilometers
(4) Tilt and telescoping column	(000) No odometer
(8) Other column type (specify):	(001) Less than 1,500 kilometers (500) 499,500 kilometers or more
(9) Unknown	(999) Unknown
(3) CHRIGWII	(999) Unknown66_273 miles $\times 1.6093 = 106$ , $685$ kilometers
20 Tile Secretary Selvery Adjustment	Source: Dash Odometr
88. Tilt Steering Column Adjustment (0) No tilt steering column	
(1) Full up	93. Instrument Panel Damage from
(2) Between full up and center	Occupant Contact?
(3) Center	(0) No (1) Yes
(4) Between center and full down	(9) Unknown
(5) Full down (9) Unknown	0.4.7. (1/4. 0.1. 0.1.
(5) Olikilowii	94. Type of Knee Bolster Covering (0) No knee bolster
	(1) Padded
89. Telescoping Steering Column Adjustment	(2) Rigid plastic
(O) No telescoping steering column	(8) Other (specify):
(1) Full back (2) Between full back and midpoint	(9) Unknown
(3) Midpoint	95. Knee Bolsters Deformed from
(4) Between midpoint and full forward	Occupant Contact?
(5) Full forward	(0) No knee bolster
(9) Unknown	(1) No deformation
, m m	(2) Yes - deformation (9) Unknown
90. Steering Rim/Spoke Deformation	
Code actual measured	96. Did Glove Compartment Door Open
deformation to the nearest centimeter	During Collision(s)? (0) No glove compartment door
(00) No steering rim deformation (01-14) Actual measured value in centimeters	(1) No - door did not open
(15) 15 centimeters or more	(2) Yes - door opened
(98) Observed deformation cannot be measured	(9) Unknown
(99) Unknown	97. Adaptive (Assistive) Driving Equipment
$\rho$	(0) No adaptive driving equipment
91. Location of Steering Rim/Spoke	(1) Adaptive driving equipment installed
Deformation	(Check all that apply.)
(00) No steering rim deformation	[ ] Hand controls for braking/acceleration [ ] Steering control devices (attached to OEM
Quarter Sections	steering wheel
(01) Section A	[] Steering knob attached to steering wheel
(02) Section B (03) Section C	[ ] Low effort power steering (unit or device) [ ] Replacement steering wheel (i.e., reduced
(04) Section D	diameter)
Lower	[ ] Joy-stick steering controls
Half Sections	[] Wheelchair tie-downs
(05) Upper half of rim/spoke (06) Lower half of rim/spoke	[ ] Modification to seat belts (specify):
(07) Left half of rim/spoke	[] Additional or relocated switches (specify):
(08) Right half of rim/spoke	
(00) Complete etcering to the tri	[] Raised roof
(09) Complete steering wheel collapse (10) Undetermined location	[ ] Wall-mounted head rest (used behind wheelchair)
(99) Unknown	[] Other adaptive device (specify):
	(9) Unknown



POINTS OF OCCUPANT CONTACT							
Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	Supporting Physical E	vidence	Confidence Level of Contact Point	
Α	151	05	Frets	Soulback to and accuping	05	<b>*</b>	
В	013	02	Kn115	sulfs on glon box	······	2	
С	204	02	111	Hair chught in side	suil	7	
D	252		Med			/	
E	252	02	1- Kn11	Scuff on grav shift	7/	2	
F	10)	0	Hun C	South in root fabric		7	
G	151	02	beck	KF sunt product do	<i></i>		
H		······································					
J				· · · · · · · · · · · · · · · · · · ·			
K							
L							
M							
N		<del></del>					
(001) Windshiel (002) Mirror (003) Sunvisor (004) Steering of codes (005) Steering of codes (007) Steering of codes (007) Steering of codes (007) Steering of codes (007) Steering of codes (008) Cellular to radio (009) Add on entapedeck (010) Left instrubelow (011) Center instelow (012) Right instrubelow (013) Glove cor (014) Knee bols (015) Windshiel more of theader, A instrumer steering a side only) (016) Windshiel more of theader, A instrumer (passenge) (017) Windshiel exterior of	RONT  O01) Windshield  O02) Mirror  O03) Sunvisor  O04) Steering wheel rim  O05) Steering wheel (combination of codes O04 and O05)  O07) Steering  Column,transmission selector lever, other attachment  O08) Cellular telephone or CB radio  O09) Add on equipment(e.g., tapedeck, air conditioner)  O10) Left instrument panel and below  O11) Center instrument panel and below  O12) Right instrument panel and		INTERIOR (151) Seat, back support (152) Belt restraint webbing/buckle (153) Belt restraint B-pillar or door frame attachment point (154) Other restraint system component (specify): (155) Head restraint system (160) Other occupants (specify): (161) Interior loose objects (162) Child safety seat (specify): (163) Other interior object (specify):  AIR BAG (170) Air bag-driver side (175) Air bag compartment cover-driver side (180) Air bag-passenger side (180) Air bag compartment cover-passenger side (190) Other air bag (specify) (195) Other air bag compartment cover (specify)  ROOF (201) Front header (202) Rear header (203) Roof left side rail (204) Roof right side rail (205) Roof or convertible top	REAR (301) Backlight (rear (302) Backlight stora door, etc. (303) Other rear obje  ADAPTIVE (ASSISTIVE QUIPMENT (401) Hand controls braking/accele (402) Steering contr (attached to O wheel) (403) Steering knob steering wheel (405) Replacement s (i.e., reduced ( 406) Joy stick steer (407) Wheelchair tie (408) Modification to (specify): (409) Additional or r switches, (specify): (410) Raised roof (411) Wall mounted (used behind v (412) Other adaptive (specify):	ect (specify):  /E) DRIVING  for ration ol devices EM steering attached to teering wheel diameter) ring controls downs o seat belts, elocated cify):  head rest wheel chair) e device		

# **MANUAL RESTRAINTS**

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a child safety seat is present, encode the data on the back of this page 11.

If the vehicle has automatic restraints available, encode the appropriate data on page 6.

		Left	Center	Right
	A-Availability	4		7
F	B-Evidence of usage	04		04
I R	C-Used in this crash?	04		04
S	D-Proper Use	l l		1
T	E-Failure Modes			l l
	F-Anchorage Adjustment			1
	A-Availability	3	3	3
s	B-Evidence of usage	03	03	03
8EC0 <b>Z</b> D	C-Used in this crash?	00	00	00
ŏ	D-Proper Use	0	0	0
N	E-Failure Modes	0	0	0
U	F-Anchorage Adjustment	0	0	0
	A-Availability			1
0	B-Evidence of usage			
Т	C-Used in this crash?			
H E	D-Proper Use			
R	E-Failure Modes			
	F-Anchorage Adjustment			

A-Man	ual (Active) Belt System Availability
(0)	None available
(1)	Belt removed/destroyed
(2)	Shoulder belt
(3)	Lap belt
(4)	Lap and shoulder belt
(5)	Belt available - type unknown
Inte	gral Belt Partially Destroyed
(6)	Shoulder belt (lap belt
	destroyed/removed)
(7)	Lap belt (shoulder belt
	destroyed/removed)
(8)	Other belt (specify):
(9)	Unknown
B/C-M	anual (Active) Belt System Use
(00)	None used, not available, or belt
	removed/destroyed

(02)	Shoulder belt
(03)	Lap belt
(04)	Lap and shoulder belt
(05)	Belt used - type unknown
(80)	Other belt used (specify):
(12)	Shoulder belt used with child safety seat
(13)	Lap belt used with child safety seat
(14)	Lap and shoulder belt used with child safety seat
(15)	Belt used with child safety seat - type unknown
(18)	Other belt used with child safety seat (specify):
(99)	Unknown if belt used

(01) Inoperable (specify):

### D-Proper Use of Manual (Active) Belts

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

## Belt Used Improperly

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of manual belt system (specify):
- (9) Unknown

(8) (9)

Unknown

# F-Shoulder Belt Upper Anchorage Adjustment

- (0) No shoulder belt
- (1) No upper anchorage adjustment for shoulder belt

#### Adjustable shoulder Belt Upper Anchorage

- (2) In full up position
- (3) In mid position
- (4) In full down position
- (5) Position unknown
- (9) Unknown if position has adjustable upper anchorage adjustment

# E-Manual (Active) Belt Failure Modes During Accident

No manual belt used or not available (0) (1) No manual belt failure(s) Torn webbing (stretched webbing (2) not included) (3)Broken buckle or latchplate (4)Upper anchorage separated (5) Other anchorage separated (specify): (6)**Broken retractor** Combination of above (specify): (7)Other manual belt failure (specify):

## **AUTOMATIC RESTRAINTS**

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

# **AIR BAGS**

		Frontal Air BagsLeft Front	Frontal Air Bags-Right Front	OtherAir Bag
F I R	Availability/Function			
	Deployment			
T	Failure			

#### Air Bag System Availability/Function

- (0) Not equipped/not available
- (1) Air bag

#### Non-functional

- (2) Air bag disconnected (specify):
- (3) Air bag not reinstalled
- (9) Unknown

#### Air Bag System Deployment (This Occupant Position)

- (0) Not equipped/not available
- (1) Deployed during accident (as a result of impact)
- (2) Deployed inadvertently just prior to accident
- (3) Deployed, accident sequence undetermined
- (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (5) Unknown if deployed
- (7) Nondeployed
- (9) Unknown

#### Are There Indications of Air Bag System Failure? (This Occupant Position)

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (9) Unknown

## **AUTOMATIC BELTS**

		Left	Right
F-RST	A-Availability/Function		
	B-Use		
	C-Type		
	D-Proper Use		
	E-Failure Modes		

#### A-Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts type unknown

#### Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

### **B-Automatic (Passive) Belt System Use**

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

#### C-Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

#### D-Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

## Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or

automatic shoulder belt used improperly with child safety seat (specify):

- (8) Other improper use of automatic belt (specify):
- (9) Unknown

#### E-Automatic (Passive) Belt Failure Modes **During Accident**

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

# FIRST SEAT FRONTAL AIR BAGS

NOTES: Encode the applicable data *for the driver and first seat passenger* in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

	Driver	Passenger
A-Type of air bag?		
B-Flaps open at tear points?		, and the same of
C-Flaps damaged?		
D-Air bag damaged?		
E-Source of air bag damage		. /
F-Air bag tethered?		
G-Air bag have vent ports?		
H-Other occupant contact air bag?		
I-Occupant wearing eyewear?		

#### A-Type of Air Bag

- (0) Not equipped/not available
- (1) Original manufacturer installed system
- (2) Retrofitted air bag
- (3) Replacement air bag
- (8) Unknown type of air bag
- (9) Unknown

# B-Did Air Bag Module Cover Flap(s) Open At Designated Tear Points?

- (0) Not equipped/not available
- (1) No
- (2) Yes
- (3) Deployed, unknown if flap(s) opened at designated tear points
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# C-Were Air Bag Module Cover Flap(s) Damaged?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if air bag module cover flap(s) damaged
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

#### D-Was There Damage To The Air Bag?

- (00) Not equipped/not available
- (01) Not damaged

#### Yes - Air Bag Damage

- (02) Ruptured .
- (03) Cut
- (04) Torn
- (05) Holed (06) Burned
- (07) Abraded
- (88) Other damage (specify):
- (95) Damaged, details unknown
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

### E-Source of Air Bag Damage

- (00) Not equipped/not available
- (01) Not damaged
- (02) Object worn by occupant, (specify):
- (03) Object carried by occupant, (specify):
- (04) Adaptive/assistive controls, (specify):
- (05) Fire in vehicle
- (06) Thermal burns
- (07) Rescue or emergency efforts
- (88) Other damage source (specify):
- (95) Damaged, unknown source
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

#### F-Was The Air Bag Tethered?

- (0) Not equipped/not available
- (1) No.
- (2) Yes (specify number of tether straps):
- (3) Deployed, unknown if tethered
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

#### **G-Did The Air Bag Have Vent Ports?**

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of vent ports):
- (3) Deployed, unknown if vent ports
- 7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# H-Was the Air Bag in this Occupant's Position Contacted by Another Occupant?

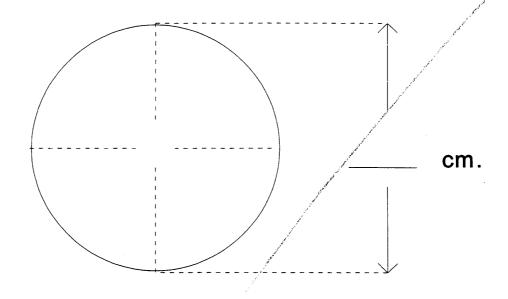
- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if other occupant contact to air bag
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

### I-Was This Occupant Wearing Eye-wear?

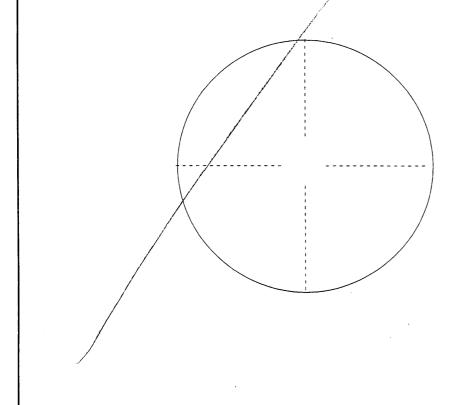
- (0) Not equipped/not available
- (1) No
- (2) Eyeglasses/sunglasses
- (3) Contact lenses
- (4) Deployed, unknown if eyewear worn
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# DRIVER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Front)



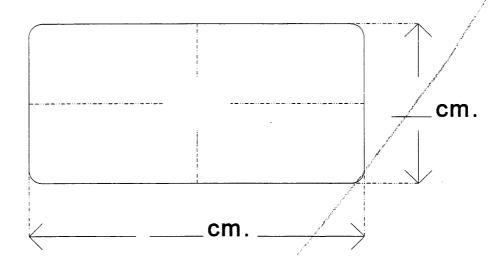
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Back)



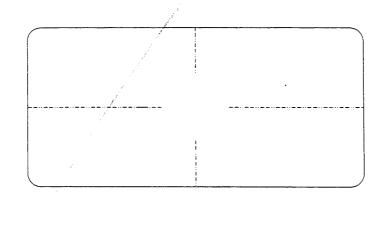
	BEST AVAILABLE
DRIVER AIR BAG S	SKETCHES (Cont'd)
3. DRIVER AIR BAG MODULE COVER FLAP SIZE (SINGLE)  width (W <sub>U</sub> ) width (W <sub>L</sub> ) height (H)	4. DRIVER AIR BAG MODULE COVER FLAP SIZE (DOUBLE)  a. Upper Flap  width (Wu) width (WL)  height (Hu) height (HL)
$W_{U}$ $H$ $K$ $W_{L}$	H, H, W,
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	6. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
7. SKETCH LOCATION OF CIRCULAR AIR BAG VENT PORTS  11 12 1 10 2 9 3 8 4 7 5 5	

# PASSENGER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Front)



2. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Back)



PASSENGER AIR BA	G SKETCHES (Cont'd)
3. PASSENGER AIR BAG MODULE COVER FLAP SIZE (SINGLE)	4. PASSENGER AIR BAG MODULE COVER FLAP SIZE (DOUBLE)
width (W)	a. Upper Flap b. Lower Flap
height (H)	width (W <sub>u</sub> ) width (W <sub>L</sub> )
neight (ri)	height (H <sub>U</sub> ) / height (H <sub>L</sub> )
	W, ————————————————————————————————————
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE	6. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
FLAP AND SIZE	
7. SKETCH LOCATION OF RECTANGULAR AIR BAG VENT PORTS	
10 11 12 /1 2	
9 3 8 7 6 5 4	

OTTEN AIR DAG DAINAG	GE AND CONTACT SKETCHES
1. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OT	HER" AIR BAG (Front)
	• /
	Ž
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OT	HER" AIR BAG (Back)
	,

"OTHER" AIR BAG SKETCHES (Cont'd)	
	٦
3. SKETCH AIR BAG MODULE FLAP AND SIZE OR OPENING FOR AIRBAG	
4. SKETCH AIR BAG VENT PORTS	
	,
	l

# **HEAD RESTRAINTS/SEAT EVALUATION**

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
	A-Head Restraint Type/Damage			/
	B-Seat Type	01		01
F	C-Seat Orientation	1		/
R S	D-Seat Track Position	5		3
T	E-Seat Back Incline Pre/Post Impact	14		14
	F-Seat Performance	1		
	A-Head Restraint Type/Damage	0	0	0
_	B-Seat Type	03	03	03
SEC	C-Seat Orientation			1
CO	D-Seat Track Position	ĺ	1	1
N	E-Seat Back Incline Pre/Post Impact	01	01	01
נ	F-Seat Performance	1		/
	A-Head Restraint Type/Damage			
т	B-Seat Type			
H	C-Seat Orientation		And the second second	
R	D-Seat Track Position			
D	E-Seat Back Incline Pre/Post Impact			
	F-Seat Performance	para de la companya della companya d	Approximation of the second	
	A-Head Restraint Type/Damage			
0	B-Seat Type			
T H	C-Seat Orientation			
E R	D-Seat Track Position			
•••	E-Seat Back Incline Pre/Post Impact			
	F-Seat Performance			

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

### **HEAD RESTRAINTS/SEAT EVALUATION**

### A-Head Restraint Type/Damage by Occupant at This Occupant Position

- (0) No head restraints
- (1) Integral no damage(2) Integral damaged during accident
- (3) Adjustable no damage(4) Adjustable damaged during accident
- (5) Add-on no damage(6) Add-on damaged during accident
- (8) Other Specify):
- (9) Unknown

### **B-Seat Type (this Occupant** Position)

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- Bench with folding back(s) (05)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Box mounted seat (i.e., van type)
- (10) Other seat type (specify):
- (99) Unknown

### C-Seat Orientation (this Occupant Position)

- (0) Occupant not seated or no seat
- Forward facing seat
- Rear facing seat (2)
- Side facing seat (inward) (3)
- (4)Side facing seat (outward)
- (8) Other (specify):
- (9) Unknown

#### **D-Seat Track Adjusted Position Prior** To Impact

- Occupant not seated or no (0)
- Non-adjustable seat track

## Adjustable Seat Track

- Seat at forward most track position
- Seat between forward most (3)and middle track positions
- Seat at middle track position
- (5)Seat between middle and rear most track positions
- (6)Seat at rear most track position
- (9) Unknown

### **E-Seat Back Incline Prior and Post** Impact

- (00) Occupant not seated or no seat
- (O1) Not adjustable

### Upright prior to impact

- (11) Moved to completely rearward position
- Moved to rearward midrange position
- Moved to slightly rearward position
- Retained pre-impact position
- Moved to slightly forward (15)position
- Moved to forward midrange (16)position
- Moved to completely forward (17)position

#### Slightly reclined prior to impact

- (21) Moved to completely rearward position
- Moved to rearward midrange (22)position
- (23)Retained pre-impact postion
- (24)Moved to upright position
- Moved to slightly forward (25)position
- Moved to forward midrange position
- Moved to completely forward position

### Completely reclined prior to impact

- (31) Retained pre-impact position
- Moved to rearward midrange (32)position
- (33)Moved to slightly rearward position
- Moved to upright position
- (35)Moved to slightly forward position
- (36)Moved to forward midrange position
- (37)Moved to completely forward position
- (99) Unknown

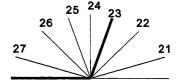


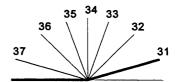
15 <sup>14</sup> 13

12

11

16





Coding diagrams for Seat Back Incline Position Prior and Post Impact

### F-Seat Performance (this Occupant Position)

- (0)Occupant not seated or no seat
- (1)No seat performance failure(s)
- Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify):
- Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify):
- (7) Combination of above (specify):
- (8)Other (specify):
- (9) Unknown

CHILD SAFETY	SEAT FIELD ASSESSMENT
When a child safety seat is present enter the occ the occupant's number using the codes listed b	cupant's number in the first row and complete the column below below. Complete a column for each child safety seat present.
Occupant Number	
Type of Child     Safety Seat	
Child Safety Seat     Orientation	
Child Safety Seat     Harness Usage	
Child Safety Seat     Shield Usage	
5. Child Safety Seat Tether Usage	
6. Child Safety Seat Make/Model	Specify Below for Each Child Safety Seat
1. Type of Child Safety Seat  (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (specify):  (8) Unknown child safety seat type (9) Unknown if child safety seat used  2. Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify):  (09) Unknown orientation  Designed for Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (13) Other orientation (specify):  (19) Unknown orientation  Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (23) Other orientation (specify):  (29) Unknown orientation	<ol> <li>Child Safety Seat Harness Usage</li> <li>Child Safety Seat Tether Usage         Note: Options Below Are Used for Variables 3-5.         (00) No child safety seat     </li> <li>Not Designed with Harness/Shield/Tether</li> <li>(01) After market harness/shield/tether added, not used</li> <li>(02) After market harness/shield/tether used</li> <li>(03) Child safety seat used, but no after market harness/shield/tether added</li> <li>(09) Unknown if harness/shield/tether added or used</li> <li>Designed With Harness/Shield/Tether</li> <li>(11) Harness/shield/tether not used</li> <li>(12) Harness/shield/tether used</li> <li>(19) Unknown if harness/shield/tether used</li> <li>(21) Harness/shield/tether not used</li> <li>(22) Harness/shield/tether used</li> <li>(29) Unknown if harness/shield/tether used</li> <li>(99) Unknown if child safety seat used</li> <li>Child Safety Seat Make/Model</li> <li>(Specify make/model and occupant number)</li> </ol>
(99) Unknown it child safety seat used	

EJECTION/ENTRAPMENT DATA  Complete the following if the researcher has any indication that an occupant was either ejected from or entrapped in the vehicle. Code the appropriate data on the Occupant Assessment Form.				
EJECTION No [ ] Yes [ Describe indications of ejection and	] d body parts involved in partial eject	tion(s):		
Occupant Number				
Ejection				
(Note on Vehicle Interior Sketch) Ejection Area				
Ejection Medium				
Medium Status				
Ejection  (1) Complete ejection (2) Partial ejection (3) Ejection, Unknown degree (9) Unknown  (9) Unknown  Ejection Area (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear  (1) Complete ejection (8) Other area (e.g., back of pickup, etc.) (specify):  (9) Unknown  Ejection Medium (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify):		(5) Integral structure (8) Other medium (specify):  (9) Unknown  Medium Status (Immediately Prior to Impact) (1) Open (2) Closed (3) Integral structure (9) Unknown		
Describe entrapment mechanism: It appears Ob was trapped inside the  Car by the R/F sest back. The Seet back was velimed  down for enough to pin OJ down by the leners and  top of leas.  Inhouse reveals that seet was moved after  Component(s): secident - No entrapment of any occupant.  (Note on vehicle interior sketch)				



# OCCUPANT ASSESSMENT FORM

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM

WITHINST GUOTI	CRASHWORTHINESS DATA SYSTEM
1. Primary Sampling Unit Number	OCCUPANT'S SEATING
2. Case Number - Stratum	10. Occupant's Seat Position  Front Seat
3. Vehicle Number	(11) Left side (12) Middle
4. Occupant Number	(13) Right side
OCCUPANT'S CHARACTERISTICS	(14) Other (specify):(15) On or in the lap of another occupant
5. Occupant's Age Code actual age at time of accident. (00) Less than one year old (specify by month):  (97) 97 years and older (99) Unknown	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female-not reported pregnant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) (6) Female-pregnant-term unknown (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant  Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify):
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown  7 / inches X 2.54 = 180 centimeters	(45) On or in the lap of another occupant  (97) In or on unenclosed area (98) Other seat (specify):  (99) Unknown
8. Occupant's Weight Code actual weight to the nearest kilogram. (999) Unknown	11. Occupant's Posture (0) Normal posture  Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another occupant or to look out a rear window (5) Sitting on a console (6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify):

EJECTION/ENTRAPMENT				
12. Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	0	15. Medium Status (Immediately Prior To Impact) O  (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown		
13. Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown  14. Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	0	16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify):  (9) Unknown  17. Occupant Mobility (0) Occupant fatal before removed from vehicle (1) Removed from vehicle while unconscious or not oriented to time or place (2) Removed from vehicle due to perceived serious injuries (3) Exited vehicle with some assistance (4) Exited vehicle under own power (5) Occupant fully ejected (8) Removed from vehicle for other reasons (specify): (9) Unknown		

	BELT SYSTEM FUNCTION				
18.	Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unknown  Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed)	22. Manual Shoulder Belt Upper Anchorage Adjustment (0) No manual shoulder belt (1) No upper anchorage adjustment for manual shoulder belt  Adjustable shoulder Belt Upper Anchorage (2) In full up position (3) In mid position (4) In full down position (5) Position unknown			
19.	(7) Lap belt (shoulder belt destroyed/removed) (8) Other belt (specify):  (9) Unknown  Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify):	(9) Unknown if position has adjustable upper anchorage adjustment  23. Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown			
	(02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):  (12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat (specify):	Non-functional  (4) Automatic belts destroyed or rendered inoperative  (9) Unknown  24. Automatic (Passive) Belt System Use  (0) Not equipped/not available/destroyed or rendered inoperative  (1) Automatic belt in use  (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify):  (3) Automatic belt use unknown  (9) Unknown			
	Proper Use of Manual (Active) Belts (O) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat  Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person (6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): (8) Other improper use of manual belt system (specify):	25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown  26. Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat  Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or			
21.	Manual (Active) Belt Failure Modes During Accident (0) No manual belt used or not available (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other manual belt failure (specify):	automatic shoulder belt used improperly with child safety seat (specify):  (8) Other improper use of automatic belt system (specify): (9) Unknown  27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify):			

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use  (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown
(9) Police indicated "unknown"  29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	31. Frontal Air Bag System Deployment (This Occupant Position) (0) Not equipped/not available (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
Check the Primary Source Used In Determining Belt Use.  [Vehicle inspection [ ] Official injury data [ ] Driver/occupant interview [ ] Other (specify):  [ ] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (O) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown  Specify type of "other" air bag present:
	<ul> <li>33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position)</li> <li>(0) Not equipped with an "other" air bag</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>
	34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown

	FIRST SEAT FRONTAL AIR	BAG SYSTEM EVALUATION
35.	Had Vehicle Been in Previous Accident(s)?  (0) Not equipped/not available (1) No previous accidents  Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of Delta V For Air Bag Deployment Impact (_000) Not equipped/not available Code the value of the delta V for the impact that initiated the air bag deployment (_996) Deployment, unknown longitudinal Delta V (_997) Not deployed (_998) Unknown if deployed (_999) Unknown
36.	Type of Air Bag  (0) Not equipped/not available  (1) Original manufacturer installed system  (2) Retrofitted air bag  (3) Replacement air bag  (8) Unknown type of air bag  (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed
	Had Any Prior Maintenance/Service Been Performed On This Air Bag System?  (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify):  (9) Unknown  Air Bag Deployment Accident Event	(9) Unknown  42. Were Air Bag Module Cover Flap(s) Damaged?  (0) Not equipped/not available (1) No (2) Yes (specify): (3) Deployed, unknown if air bag module cover flap(s) damaged (7) Not deployed (8) Unknown if deployed
	Sequence Number (00) Not equipped/not available  Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown	(9) Unknown  43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged  Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn
	CDC For Air Bag Deployment Impact  (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify):  (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(05) Holed (06) Burned (07) Abraded (88) Other damage (specify):  (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued	HEAD RESTRAINT AND SEAT EVALUATION
44. Source of Air Bag Damage (00) Not equipped/not available (01) Not damaged (02) Object worn by occupant, (specify):  (03) Object carried by occupant, (specify):  (04) Adaptive/assistive controls, (specify):  (05) Fire in vehicle (06) Thermal burns (07) Rescue or emergency efforts (88) Other damage source (specify):  (95) Damaged, unknown source (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown	49. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):  (9) Unknown  50. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s)
45. Was The Air Bag Tethered? (0) Not equipped/not available (1) No (2) Yes (specify number of tether straps):  (3) Deployed, unknown if tethered (7) Not deployed (8) Unknown if deployed (9) Unknown	(06) Split bench with separate back cushions (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Box mounted seat (i.e., van type) (10) Other seat type (specify): (99) Unknown  51. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat
46. Did The Air Bag Have Vent Ports?  (0) Not equipped/not available (1) No (2) Yes (specify number of vent ports):  (3) Deployed, unknown if vent ports present (7) Not deployed (8) Unknown if deployed (9) Unknown	(2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify):  (9) Unknown  52. Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat (1) Non-adjustable seat track
47. Was the Air Bag in this Occupant's Position Contacted by Another Occupant? (0) Not equipped/not available (1) No (2) Yes (specify):  (3) Deployed, unknown if other occupant contact to air bag (7) Not deployed (8) Unknown if deployed (9) Unknown	<ul> <li>(1) Non-adjustable seat track</li> <li>Adjustable Seat Track</li> <li>(2) Seat at forward most track position</li> <li>(3) Seat between forward most and middle track positions</li> <li>(4) Seat at middle track position</li> <li>(5) Seat between middle and rear most track positions</li> <li>(6) Seat at rear most track position</li> <li>(9) Unknown</li> </ul>
48. Was This Occupant Wearing Eye-wear? (0) Not air bag equipped/air bag not available (1) No (2) Eyeglasses/sunglasses (3) Contact lenses (4) Deployed, unknown if eyewear worn (7) Not deployed (8) Unknown if deployed (9) Unknown	

### **HEAD RESTRAINT AND SEAT EVALUATION continued**

- 53. Seat Back Incline Prior and Post Impact
  - (00) Occupant not seated or no seat
  - (01) Not adjustable

### Upright prior to impact

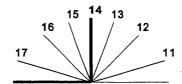
- (11) Moved to completely rearward position
- (12) Moved to rearward midrange position
- (13) Moved to slightly rearward position
- (14) Retained pre-impact position
- (15) Moved to slightly forward position
- (16) Moved to forward midrange position
- (17) Moved to completely forward position

### Slightly reclined prior to impact

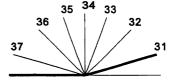
- (21) Moved to completely rearward position
- (22) Moved to rearward midrange position
- (23) Retained pre-impact position
- (24) Moved to upright position
- (25) Moved to slightly forward position
- (26) Moved to forward midrange position
- (27) Moved to completely forward position

### Completely reclined prior to impact

- (31) Retained pre-impact position
- (32) Moved to rearward midrange position
- (33) Moved to slightly rearward position
- (34) Moved to upright position
- (35) Moved to slightly forward position
- (36) Moved to forward midrange position
- (37) Moved to completely forward position
- (99) Unknown
- 54. Seat Performance (this Occupant Position)
  - (0) Occupant not seated or no seat
  - (1) No seat performance failure(s)
  - (2) Seat adjusters failed
  - (3) Seat back folding locks or "seat back" failed (specify):
  - (4) Seat track/anchors failed
  - (5) Deformed by impact of occupant
  - (6) Deformed by passenger compartment intrusion, (specify):\_\_\_
  - (7) Combination of above (specify):
  - (8) Other (specify):
  - (9) Unknown







	CHILE	SAFET	ETY SEAT	
		58	58. Child Safety Seat Harness Usage  59. Child Safety Seat Shield Usage  60. Child Safety Seat Tether Usage  Note: Options below applicable to Variables OA58-OA60.  (00) No child safety seat  Not Designed With Harness/Shield/Tether  (01) After market harness/shield/tether added, not used  (02) After market harness/shield/tether used  (03) Child safety seat used, but no after market harness/shield/tether added  (09) Unknown if harness/shield/tether added or used	
57.	(00) No child safety seat  Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify):	0	Designed With Harness/Shield/Tether (11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used  Unknown If Designed With Harness/Shield/ (21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used	Tether
	(09) Unknown orientation  Designed For Forward Facing for This Age/Wei (11) Rear facing (12) Forward facing (18) Other orientation (specify):  (19) Unknown orientation  Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (28) Other orientation (specify):  (29) Unknown orientation  (99) Unknown if child safety seat used	ght		

Page 9

INJURY CONSEQUENCES	
(0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown  62. Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):   Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify):  (8) Transported to a medical facility-unknown if treated (9) Unknown	63. Type Of Medical Facility (for Initial Treatment)  (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):  (9) Unknown  64. Hospital Stay (00) Not Hospitalized  Code the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown  65. Working Days Lost  Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown
STOP WO	ORK HERE

**VARIABLES 66-74** 

INJURY CONSEQUENCES	TRAUMA DATA
Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60)  (00) Not fatal  (96) Fatal - ruled disease  (99) Unknown	71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
67. 1st Medically Reported Cause of Death 00 0 68. 2nd Medically Reported Cause of Death 00 0	72. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units):
69. 3rd Medically Reported Cause of Death  Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (00) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (specify):	73. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported, HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured
(97) Other result (includes fatal ruled disease) (specify):	BELT USE DETERMINATION
70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured	74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used



U.S. Department of Transportation National Highway Traffic Safety Administration

1. Primary Sampling Unit Number

2. Case Number - Stratum

### **OCCUPANT INJURY FORM**

BEST AVAILABLE Form Approved
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

3. Vehicle Number 01

OO3K 4. Occupant Number

### **INJURY DATA**

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

				A.I.S 9	90		_		Injury		Occupan
	Source of Injury Data		Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number
nec	PA	rain					100	American III			
1st	5. 1	6.6	7. <u>4</u>	8. <u>02</u>	9. <u>78</u>	10/	11.6	12. 6 03	13.2	14.3	15.00_
	b pl										
2nd	16. 7	17. <u>6</u>	18. 4	19. 04	20. 78	21/	227	23. <u>603</u>	24. 2	25. <u>3</u>	26.
3rd	27	28	29	30	31	32.	33	34	35	36	37
4th	38	39	40	41	42	43	44	45.	46	47	48
5th	49	50	51	<b>52</b> :	53	54	55	56	_ 57:	58	59.
6th	60	61,	62	63.	64	65	66	67.	68	69	70
7th	71	72	73	74.	75	76.	<b>77.</b>	78.	79	80	81.
8th	82	83	84	85	86	87	88	89.	_ 90	91	92.
9th	93	94	95	96	97	98.	99	100.	_101	102	103.
10th	104 1	05	106	107	108	109	110	111.	_112	113	114.

				occi	UPANT	INJURY	DATA				
•	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
11th		_					_				
12th		<u></u>									
13th		<del>-</del>	<u></u>						<del></del> -		
14th		<u> </u>	——————————————————————————————————————								
15th			_			<u> </u>	<u>-</u> -		_		
16th	-	—	-	<u></u>		_	—		_		
17th		<u></u>									
18th				<del></del> -					<del></del>		
19th											
20th							-				
21st							<u>-</u>			<u></u>	
22nd						<u></u>	_			<u> </u>	
23rd		<del></del>				<u>-</u>	<u> </u>			<del></del>	
24th 25th	<u>-</u>	<del></del>								<u>-</u> -	
2301				1 100 US 144 AS							

### **OCCUPANT INJURY CLASSIFICATION**

### **Body Region**

- (1) Head
- (2) Face
- (3) Neck
- (4) Thorax
- (5) Abdomen
- (6) Spine
- (7) Upper Extremity
- (8) Lower Extremity
- (9) Unspecified

# Type of Anatomic Structure

- (1) Whole Area
- (2) Vessels
- (3) Nerves
- (4) Organs (includes Muscles/ligaments)
- (5) Skeletal (includes joints)
- (6) Head LOC
- (9) Skin

# Specific Anatomic Structure

Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02.

The exceptions to this rule apply to:

### Whole Area

- (02) Skin Abrasion
- (04) Skin Contusion
- (06) Skin Laceration
- (08) Skin Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- (50) Injury NFS
- (90) Trauma, other than mechanical

### Head - LOC

(02) Length of LOC

- (04) Level
- (06) of
- (08) Consciousness
- (10) Concussion

### **Spine**

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

### Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

### **Abbreviated Injury Scale**

- (1) Minor Injury
- (2) Moderate Injury
- (3) Serious Injury
- (4) Severe Injury
- (5) Critical Injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

### Aspect

- (1) Right
- (2) Left
- (3) Bilateral
- (4) Central
- (5) Anterior
- (6) Posterior(7) Superior
- (8) Inferior
- (9) Unknown
- (0) Whole region

**SOURCE OF INJURY DATA INJURY SOURCE DIRECT/INDIRECT INJURY CONFIDENCE LEVEL OFFICIAL RECORDS** (1) Autopsy records with or (1) Certain Direct contact injury (2) Probable without hospital/medical Indirect contact injury (2) records (3) Possible (3) Noncontact injury (2) Hospital/medical records other (9) Unknown Injured, unknown source than emergency room (e.g., discharge summary) (3) Emergency room records only (including associated X-rays or other lab reports) (4) Private physician, walk-in or emergency clinic **UNOFFICIAL RECORDS** (5) Lay coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify): (9) Police

			INJURY	ووندون	CLO		
FRONT		(102)	Right side hardware or	(183)	Air bag-passenger side and	(411)	Wall mounted head rest
	) Windshield		armrest	•	object held	¥	(used behind wheel chair)
	Mirror	(103)	Right A (A1/A2)-pillar	(184)	Air bag-passenger side and	(412)	Other adaptive device
	Sunvisor	(104)	Right B-pillar		object in mouth	-	(specify):
	Steering wheel rim	(105)	Other right pillar (specify):	(185)	Air bag compartment		(op-c ).
	Steering wheel hub/spoke	~ ~			cover-passenger side		
(006)	Steering wheel (combination		Right side window glass	(186)	Air bag compartment		RIOR of OCCUPANT'S
	of codes 004 and 005)		Right side window frame		cover-passenger side and	VEHIC	CLE
(007)	Steering column,		Right side window sill		eyewear		Hood
	transmission selector lever,	(109)	Right side window glass	(187)	Air bag compartment	(452)	Outside hardware (e.g.,
'വറ്റു	other attachment Cellular telephone or CB		including one or more of the		cover-passenger side and		outside mirror, antenna)
(000,	Cellular telephone or CB radio		following: frame, window	'4 OQ)	jewelry Air bag compartment	(453)	Other exterior surface or
(009)	Add on equipment (e.g.,		sill, A (A1/A2)-pillar, B-pillar, or roof side rail.	(180,	Air bag compartment		tires (specify):
(000.	tape deck, air conditioner)	(110)			cover-passenger side and		
(O10)	tape deck, air conditioner)  Left instrument panel and	(110,	Other right side object (specify):	(199)	object held	1454)	
10.0	below		(specify):	(165,	Air bag compartment	(454)	Unknown exterior objects
(011)	Center instrument panel and				cover-passenger side and object in mouth	-vier	
10.	below	INTERI	מחיי	(190)	• • • • • • • • • • • • • • • • • • • •		RIOR OF OTHER MOTOR
(012)	Right instrument panel and		Seat, back support	(150,	Other air bag (specify)	VEHICI	
10	below		Seat, back support  Belt restraint webbing/buckle	(195)	Other air bag compartment		Front bumper
(013)	Glove compartment door		Belt restraint B-pillar or door	1100,	Other air bag compartment cover (specify)		Hood edge Other front of vehicle
	Knee bolster	1	frame attachment point		Cover (Specify)	(503,	Other front of vehicle (specify):
	Windshield including one or	(154)	Other restraint system				(specity):
	more of the following: front	•	component (specify):	ROOF		(504)	Used
	header, A (A1/A2)-pillar,				Front header		Hood ornament
	instrument panel, mirror, or	(155)	Head restraint system		Rear header		Windshield, roof rail, A-pillar
	steering assembly (driver		Other occupants (specify):		Roof left side rail		Side surface
	side only)				Roof right side rail		Side mirrors
	Windshield including one or	(161)	Interior loose objects		Roof or convertible top		Other side protrusions
	more of the following: front		Child safety seat (specify):	•-	1100. 0. 00		(specify):
	header, A (A1/A2)-pillar,			FLOOR	A		(Specii y).
	instrument panel, or mirror		Other interior object		Floor (including toe pan)	(510)	Rear surface
	(passenger side only)		(specify):		Floor or console mounted		Undercarriage
	Windshield reinforced by				transmission lever, including		Tires and wheels
	exterior object (specify)	= =			console		Other exterior of other motor
~ • • • •		AIR BA	· · <del>-</del>		Parking brake handle		vehicle (specify):
(019)	Other front object (specify):		Air bag-driver side	(254)	Foot controls including		
			Air bag-driver side and		parking brake	(514)	Unknown exterior of other
· mer (			eyewear Air bar deisse eide end				motor vehicle
LEFT S			Air bag-driver side and	REAR			
	Left side interior surface,		jewelry		Backlight (rear window)		R VEHICLE OR OBJECT IN
	excluding hardware or armrests		Air bag-driver side and object		Backlight storage rack,	THE EN	NVIRONMENT
	armrests Left side hardware or		held		door, etc.		Ground
	Left side hardware or armrest		Air bag-driver side and object	(303)	Other rear object (specify):		Other vehicle or object
	armrest Left A (A1/A2)-pillar		in mouth				(specify):
	Left A (A1/A2)-pillar Left B-pillar		Air bag compartment	AD'		,	
	Other left pillar (specify):		Cover-driver side		TIVE (ASSISTIVE) DRIVING	(599)	Unknown vehicle or object
(000.	Other left piner tapours,.		Air bag compartment	EQUIPN (401)		~:.0	
(056)	Left side window glass		cover-driver side and evewear		Hand controls for		ONTACT INJURY
	Left side window glass  Left side window frame		eyewear Air bag compartment		braking/acceleration		Fire in vehicle
	Left side window sill		Air bag compartment cover-driver side and jewelry		Steering control devices		Flying glass
	Left side window glass		Air bag compartment		(attached to OEM steering wheel)		Other noncontact injury
	including one or more of the		cover-driver side and object		wheel) Steering knob attached to	,	source -
	following: frame, window		held		Steering knob attached to		(specify): Museum fore
	sill, A (A1/A2)-pillar, B-pillar,		Air bag compartment		steering wheel Replacement steering wheel	(604)	Air bag exhault gases (/
	or roof side rail.		cover-driver side and object		Replacement steering wheel (i.e., reduced diameter)	(697)	Injured, unknown source
	Other left side object		in mouth		(i.e., reduced diameter)  Joy stick steering controls		
	(specify):		Air bag-passenger side		Wheelchair tie-downs		
			Air bag-passenger side and		Modification to seat belts,		
			eyewear		(specify):		
RIGHT S	SIDE		Air bag-passenger side and		Additional or relocated		
	Right side interior surface,		jewelry		switches, (specify):		
	excluding hardware or		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		SWILLING, LOPES,.		
	armrests			4			

Page

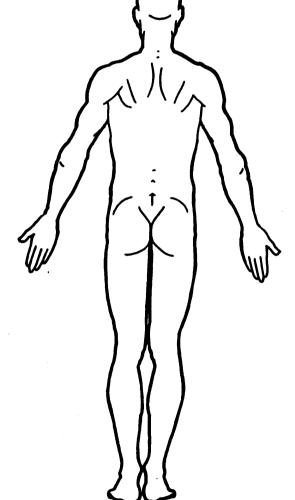
# OFFICIAL INJURY DATA - SOFT TISSUE INJURIES Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.) Restrained? \_\_\_ No \_\_\_ Yes **Blood Alcohol Level** (mg/dl) BAL = \_\_\_\_ Glasgow Coma Scale Score GCSS = \_\_\_\_ Units of Blood Given Units = \_\_\_\_

PCO<sub>2</sub> \_\_

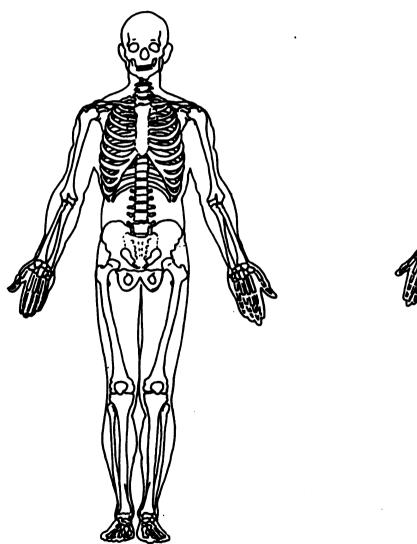
**Arterial Blood Gases** 

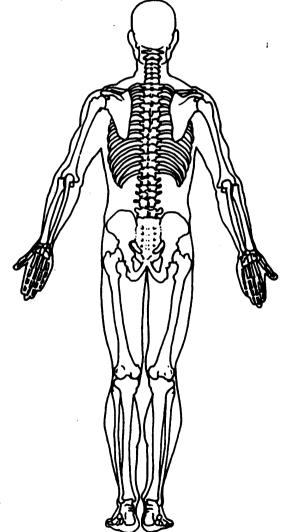
pH = \_\_.\_\_

HCO<sub>3</sub>



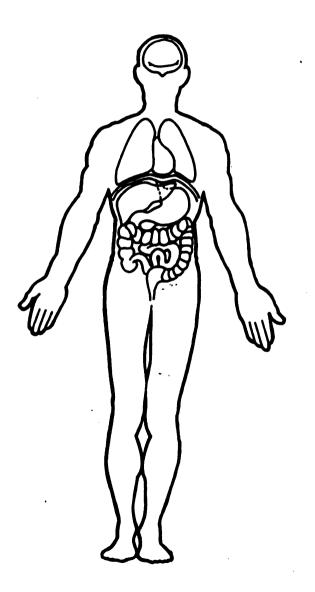
Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

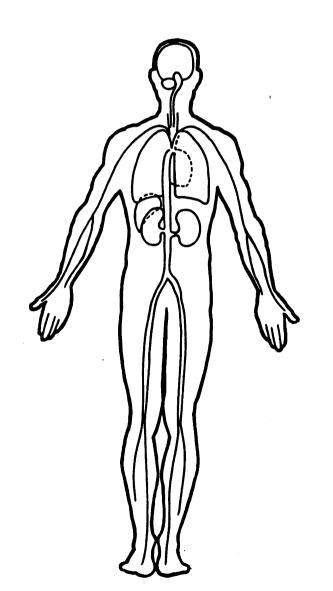




# OFFICIAL INJURY DATA —INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





U.S. Department of Transportation National Highway Traffic Safety Administration

# **UPDATE FORM**

# NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Primary Sampling Unit Number	<u>09</u>	Driver or Occupant Name:
2. Case Number — Stratum	<u>003K</u>	Address:
3. Vehicle Number	01	
4. Occupant Number	01	Other Information:
7	199 <b>6</b>	(Sanitize this section prior to Update submission.)
S	TATUS OF OCCUP	ANT INFORMATION
	INITIAL UPDATED	
Hallandup	SUBMISSION INFORMATION	INITIAL UPDATED SUBMISSION INFORMATION
OALO8. Date Official Medical _	96	OAL18. Medical Facility Code
Data Requested		
OAL09. Date Official Medical  Data Obtained	96	GV14. Alcohol Test Results
OAL16. Injury Treatment Status		GV16. Other Drug Specimen Test Type For Driver
OAL17. Injury Information		OA05. Occupant's Age
Official a. Autopsy (invasive examination)	<u>B</u>	
b. Post-ER medical record which	B	OA06. Occupant's Sex
includes information about death based on non-invasive examination		OA07. Occupant's Height
c. Admission record/summary or	<u>B</u>	OA08. Occupant's Weight
admission/discharge face sheet		OA61. Treatment-Mortality
d. Discharge summary	<u>B</u>	OA62. Type of Medical Facility
e. Operative report	<u>B</u>	(for Initial Treatment)
<ul> <li>f. Radiographic record(s) (X-ray, CT scan)</li> </ul>	<u>B</u>	OA63. Hospital Stay
g. History and physical examination and/or consultation records	<u>B</u>	a foll
h. Emergency room records (includes nurses' notes)	<u> </u>	Manual Stay
j. Private physician	<u>B</u>	$\mathcal{N}$
<u>Unofficial</u>		$\mathcal{L}^{\mathcal{L}}$
k. Lay coroner	<u>B</u>	Je sulla July
I. EMS record	<u>B</u>	
m. Interviewee	<u>B</u>	I / W Y W Y
n. Other source (specify):	<u>B</u>	
o. Police report	B B	Su attacked note



# **OCCUPANT ASSESSMENT FORM**

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number	OCCUPANT'S SEATING
002 4	10. Occupant's Seat Position
	Front Seat
3. Vehicle Number	(11) Left side (12) Middle
4. Occupant Number 02	(13) Right side
OCCUPANT'S CHARACTERISTICS	(14) Other (specify):
5. Occupant's Age Code actual age at time of accident. (00) Less than one year old (specify by month):  (97) 97 years and older (99) Unknown	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female-not reported pregnant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) (6) Female-pregnant-term unknown (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant  Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify):
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown  6  inches X 2.54 = 16 8 centimeters	(45) On or in the lap of another occupant  (97) In or on unenclosed area  (98) Other seat (specify):  (99) Unknown
8. Occupant's Weight Code actual weight to the nearest kilogram. (999) Unknown  120 pounds X .4536 = 054 kilograms	11. Occupant's Posture (0) Normal posture  Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with
9. Occupant's Role (1) Driver (2) Passenger (9) Unknown	another occupant or to look out a rear window (5) Sitting on a console (6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify): (9) Unknown

EJECT	ION/E	NTRAPMENT
12. Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	2	15. Medium Status (Immediately Prior To Impact)  (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown
13. Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown  14. Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	<u>O</u>	16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify):

BELT SYSTEM FUNCTION						
18. Manual (Active) Belt System (O) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unkr  Integral Belt Partially Destroye (6) Shoulder belt (lap belt de (7) Lap belt (shoulder belt de (8) Other belt (specify):	nown  d stroyed/removed)	22. Manual Shoulder Belt Upper Anchorage Adjustment (0) No manual shoulder belt (1) No upper anchorage adjustment for manual shoulder belt  Adjustable shoulder Belt Upper Anchorage (2) In full up position (3) In mid position (4) In full down position (5) Position unknown (9) Unknown if position has adjustable upper anchorage adjustment				
(9) Unknown  19. Manual (Active) Belt System to (00) None used, not available removed/destroyed (01) Inoperative (specify):  (02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknow (08) Other belt used (specify)  (12) Shoulder belt used with (13) Lap belt used with child (14) Lap and shoulder belt used safety seat (15) Belt used with child safe (18) Other belt used with child (specify):	n : child safety seat safety seat ed with child ty seat ty seat ty seat type unknown	23. Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown  Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown  24. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown	<u>0</u>			
(99) Unknown if belt used  20. Proper Use of Manual (Active) (0) None used or not available (1) Belt used properly (2) Belt used properly with ch  Belt Used Improperly (3) Shoulder belt worn under (4) Shoulder belt worn behind (5) Belt worn around more th (6) Lap belt worn on abdome (7) Lap belt or lap and should improperly with child safe  (8) Other improper use of ma (specify):	arm I back or seat an one person or er belt used ty seat (specify):	<ul> <li>25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown</li> <li>26. Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat  Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or</li> </ul>	<u>0</u> 0_			
21. Manual (Active) Belt Failure M. During Accident (0) No manual belt used or no (1) No manual belt failure(s) (2) Torn webbing (stretched vincluded) (3) Broken buckle or latchplat (4) Upper anchorage separate (5) Other anchorage separate (6) Broken retractor (7) Combination of above (spots) (8) Other manual belt failure (9)	vebbing not e d d (specify):	automatic shoulder belt used improperly with child safety seat (specify):  (8) Other improper use of automatic belt system (specify): (9) Unknown  27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify):	<u>O</u>			

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use  (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown
(9) Police indicated "unknown"  29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	31. Frontal Air Bag System Deployment (This Occupant Position) (0) Not equipped/not available (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
Check the Primary Source Used In Determining Belt Use.  [V Vehicle inspection [] Official injury data [] Driver/occupant interview [] Other (specify):  [] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown  Specify type of "other" air bag present:
	33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
	34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown

FIRST SEAT FRONTAL AIR	BAG SYSTEM EVALUATION
35. Had Vehicle Been in Previous Accident(s)?  (0) Not equipped/not available (1) No previous accidents  Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of Delta V For Air Bag Deployment Impact (_000) Not equipped/not available Code the value of the delta V for the impact that initiated the air bag deployment (_996) Deployment, unknown longitudinal Delta V (_997) Not deployed (_998) Unknown if deployed (_999) Unknown
36. Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed
37. Had Any Prior Maintenance/Service Been Performed On This Air Bag System?  (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify):  (9) Unknown  38. Air Bag Deployment Accident Event Sequence Number (00) Not equipped/not available	(9) Unknown  42. Were Air Bag Module Cover Flap(s) Damaged?  (0) Not equipped/not available  (1) No  (2) Yes (specify):  (3) Deployed, unknown if air bag module cover flap(s) damaged  (7) Not deployed  (8) Unknown if deployed  (9) Unknown
Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown	43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged   Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn
39. CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify):  (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(05) Holed (06) Burned (07) Abraded (88) Other damage (specify):  (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

FIRST SEAT FRONTAL AIR BAG SYSTEM	HEAD RESTRAINT AND SEAT EVALUATION
FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued  44. Source of Air Bag Damage (00) Not equipped/not available (01) Not damaged (02) Object worn by occupant, (specify):  (03) Object carried by occupant, (specify):  (04) Adaptive/assistive controls, (specify):  (05) Fire in vehicle (06) Thermal burns (07) Rescue or emergency efforts (88) Other damage source (specify):  (95) Damaged, unknown source (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown	49. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):  (9) Unknown  50. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions
45. Was The Air Bag Tethered? (0) Not equipped/not available (1) No (2) Yes (specify number of tether straps):	<ul> <li>(05) Bench with folding back(s)</li> <li>(06) Split bench with separate back cushions</li> <li>(07) Split bench with folding back(s)</li> <li>(08) Pedestal (i.e., column supported)</li> <li>(09) Box mounted seat (i.e., van type)</li> <li>(10) Other seat type (specify):</li> </ul>
(3) Deployed, unknown if tethered (7) Not deployed (8) Unknown if deployed (9) Unknown  46. Did The Air Bag Have Vent Ports? (0) Not equipped/not available (1) No (2) Yes (specify number of vent ports):	(99) Unknown  51. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat (2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify):
(3) Deployed, unknown if vent ports present (7) Not deployed (8) Unknown if deployed (9) Unknown  47. Was the Air Bag in this Occupant's Position	(9) Unknown  52. Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat (1) Non-adjustable seat track
Contacted by Another Occupant's Position  Contacted by Another Occupant?  (0) Not equipped/not available  (1) No  (2) Yes (specify):  (3) Deployed, unknown if other occupant contact to air bag  (7) Not deployed  (8) Unknown if deployed  (9) Unknown	Adjustable Seat Track (2) Seat at forward most track position (3) Seat between forward most and middle track positions (4) Seat at middle track position (5) Seat between middle and rear most track positions (6) Seat at rear most track position (9) Unknown
48. Was This Occupant Wearing Eye-wear?  (0) Not air bag equipped/air bag not available (1) No (2) Eyeglasses/sunglasses (3) Contact lenses (4) Deployed, unknown if eyewear worn (7) Not deployed (8) Unknown if deployed (9) Unknown	

# **HEAD RESTRAINT AND SEAT EVALUATION continued**

- 53. Seat Back Incline Prior and Post Impact
  - (00) Occupant not seated or no seat
  - (01) Not adjustable

### Upright prior to impact

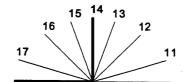
- (11) Moved to completely rearward position
- (12) Moved to rearward midrange position
- (13) Moved to slightly rearward position
- (14) Retained pre-impact position
- (15) Moved to slightly forward position
- (16) Moved to forward midrange position
- (17) Moved to completely forward position

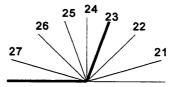
### Slightly reclined prior to impact

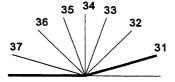
- (21) Moved to completely rearward position
- (22) Moved to rearward midrange position
- (23) Retained pre-impact position
- (24) Moved to upright position
- (25) Moved to slightly forward position
- (26) Moved to forward midrange position
- (27) Moved to completely forward position

### Completely reclined prior to impact

- (31) Retained pre-impact position
- (32) Moved to rearward midrange position
- (33) Moved to slightly rearward position
- (34) Moved to upright position
- (35) Moved to slightly forward position
- (36) Moved to forward midrange position
- (37) Moved to completely forward position
- (99) Unknown
- 54. Seat Performance (this Occupant Position)
  - (0) Occupant not seated or no seat
  - (1) No seat performance failure(s)
  - (2) Seat adjusters failed
  - (3) Seat back folding locks or "seat back" failed (specify):
  - (4) Seat track/anchors failed
  - (5) Deformed by impact of occupant
  - (6) Deformed by passenger compartment intrusion, (specify):
  - (7) Combination of above (specify):
  - (8) Other (specify):
  - (9) Unknown







	CHIL	_D SAFETY	Y SEAT	
55.	Child Safety Seat Make/Model (000) No child safety seat Applicable codes are found in your NASS CD Data Collection, Coding and Editing	s	3. Child Safety Seat Harness Usage  9. Child Safety Seat Shield Usage	<u>)0</u> 20
	(950) Built-in child safety seat (997) Other make/model (specify):  (998) Unknown make/model (999) Unknown if child safety seat used	60.	O. Child Safety Seat Tether Usage  Note: Options below applicable to Variables OA58-OA60.	00
	Type of Child Safety Seat  (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat - with shield (5) Booster seat - without shield (7) Other type child safety seat (specify): (8) Unknown child safety seat type (9) Unknown if child safety seat used  Child Safety Seat Orientation (00) No child safety seat  Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify): (09) Unknown orientation  Designed For Forward Facing for This Age/W (11) Rear facing (12) Forward facing (12) Forward facing (13) Other orientation (specify): (19) Unknown orientation  Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (23) Other orientation (specify): (29) Unknown orientation		Not Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used (02) After market harness/shield/tether use (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used  Designed With Harness/Shield/Tether (11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used  Unknown If Designed With Harness/Shield/Tether used (21) Harness/shield/tether used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used	arket Tether

Mational Addition Camping Cystem Clasification Interest Date	System. Occupant Assessment Form	Page 9
INJURY CONSEQUENCES		
61. Injury Severity (Police Rating)  (0) 0 - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown  62. Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):   Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify):  (8) Transported to a medical facility-unknown if treated (9) Unknown	63. Type Of Medical Facility (for Initial Treatment (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):  (9) Unknown  64. Hospital Stay (00) Not Hospitalized Code the number of days (up through 60 that the occupant stayed in hospital. (61) 61 days or more (99) Unknown  65. Working Days Lost Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown	15 7
STOP WO	ORK HERE	

**VARIABLES 66-74** 

INJURY CONSEQUENCES	TRAUMA DATA
Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60)  (00) Not fatal  (96) Fatal - ruled disease  (99) Unknown	71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
67. 1st Medically Reported Cause of Death  68. 2nd Medically Reported Cause of Death  69. 3rd Medically Reported Cause of Death  Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death  (00) Not fatal or no additional causes  (96) Mode of death given but specific injuries are not linked to cause of death. (specify):  (97) Other result (includes fatal ruled disease) (specify):	72. Was the Occupant Given Blood?  (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given  73. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported , HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured
70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured	74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used



U.S. Department of Transportation

**National Highway Traffic Safety** Administration

### **OCCUPANT INJURY FORM**

BEST AVAILABLE Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM **CRASHWORTHINESS DATA SYSTEM** 

1. Primary Sampling Unit Number

09

3. Vehicle Number

2. Case Number - Stratum

003K

4. Occupant Number

### **INJURY DATA**

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

	A.I.S 90								Injury		Occupan
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusio Numbe
head	L lo	U				11.14	<u>_</u>			engi se	
			7. <u>J</u>	8. <u>0</u> <u>6</u>	9. 00	10/	11. 9	12. <u>204</u>	13. <u>2</u>	14. /	15. <u>05</u>
hes	tab	N L	a	A 2	4 3	,	9	150			
			18	19. $\frac{\mathcal{O}\mathcal{L}}{\mathcal{L}}$	20.0 0	21. /	22. /	23. <u>152</u>	-24. <u>/</u>	25. /	26.
itera	unu.	f4 4	an 5	08	04		-4	34. <u>/52</u>			D
370 Z DHI		28. <u> </u>	.29. <u>—</u>	30	31. <u></u>	32.~	33. /	34. <u>/ U D</u>	−35. <b>८</b> ००	36. <u>/</u>	37.
/// <del>/</del> 4th 3	8. <b>2</b>	<sub>39.</sub> /	40.6	41. 06	42. 02	43. A	44.0	45. 204	46. 2	47.	48. OS
5th 4	9 !	50	51	52	53	54	55	56.	57	58	59
6th 6	o	31	62	63	64	65	66	67	68	69	70
7th 7	1	72	73	74	75	76	77	78.	79	80	81
8th 8:	28	33	84	85.	86	87	88	89.	90	91	92
9th 9:	3 §	94	95.	96.	97.	98.	99. 1	00	101.	102	103
								e de la companya del companya de la companya del companya de la co			
10th 10	4. 10	<b>)5.</b> 1	106. 1	107.	108	109	110 1	95 ( 1922 ) 15 ( 1927 ) 46 ( 1927 ) 15 ( 1927 ) 4 ( 1927 ) 17 ( 1927 ) 17 ( 1927 )	112	110	



OCCUPANT INJURY DATA											
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
14 th									7		
12th											
13th											
14th											
15th	<del></del>		<u>-</u>				_				
16th	—	-	_			-	_				
17th							—		_		
18th			<del></del> -			_					
19th											
20th									_		
21st						<u>.                                    </u>	_		<del>-</del>	<del>-</del>	
<b>22</b> nd									_	<del>-</del>	
23rd										<del></del>	
24th			_				_		<u></u>		
25th				<del></del>					<del></del>		

### **OCCUPANT INJURY CLASSIFICATION**

### **Body Region**

- Head (1)
- (2)Face
- (3) Neck
- (4) Thorax
- Abdomen (5)
- (6)Spine
- **Upper Extremity** (7)
- (8)Lower Extremity
- Unspecified (9)

#### Type of Anatomic Structure

- Whole Area
- (2)Vessels
- (3) Nerves
- (4)Organs (includes Muscles/ligaments)
- (5) Skeletal (includes joints)

**SOURCE OF INJURY DATA** 

- (6)Head - LOC
- (9) Skin

#### Specific Anatomic Structure

Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02.

The exceptions to this rule apply to:

### Whole Area

- (02) Skin Abrasion (04) Skin Contusion
- (06) Skin Laceration
- (08) Skin Avulsion (10) Amputation
- (20) Burn
- (30)Crush
- Degloving (40)Injury - NFS (50)
- (90) Trauma, other than
  - mechanical

### Head - LOC

(02) Length of LOC

- (04) Level
- (06) of
- (08) Consciousness
- (10) Concussion

#### <u>Spine</u>

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

#### Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

### **Abbreviated Injury Scale**

- Minor Injury (1)
- (2) Moderate Injury
- (3) Serious Injury
- Severe Injury (4)
- (5) Critical Injury Maximum (6)
- (untreatable)
- Injured, unknown (7) severity

#### Aspect

- (1)Right
- (2)Left
- (3)Bilateral
- (4)Central
- (5) Anterior (6)Posterior
- (7)Superior
- (8) Inferior
- (9) Unknown

**DIRECT/INDIRECT INJURY** 

(0)Whole region

#### **CONFIDENCE LEVEL** OFFICIAL RECORDS (1) Autopsy records with or (1) Certain Direct contact injury without hospital/medical (2) Probable Indirect contact injury (3) Possible (3) Noncontact injury records (2) Hospital/medical records other (9) Unknown (7) Injured, unknown source than emergency room (e.g., discharge summary) (3) Emergency room records only (including associated X-rays or other lab reports) (4) Private physician, walk-in or emergency clinic **UNOFFICIAL RECORDS** (5) Lay coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify): (9) Police

**INJURY SOURCE** 

#### **INJURY SOURCES** FRONT (102) Right side hardware or (183) Air bag-passenger side and (411) Wall mounted head rest (001) Windshield armrest object held (used behind wheel chair) (002) Mirror (103) Right A (A1/A2)-pillar (184) Air bag-passenger side and (412) Other adaptive device (003) Sunvisor (104) Right B-pillar object in mouth (specify): (004) Steering wheel rim (105) Other right pillar (specify): (185) Air bag compartment (005) Steering wheel hub/spoke cover-passenger side **EXTERIOR of OCCUPANT'S** (106) Right side window glass (006) Steering wheel (combination (186) Air bag compartment of codes 004 and 005) (107) Right side window frame cover-passenger side and VEHICLE (007) Steering column, (108) Right side window sill evewear (451) Hood transmission selector lever, (109) Right side window glass (187) Air bag compartment (452) Outside hardware (e.g., other attachment including one or more of the cover-passenger side and outside mirror, antenna) (008) Cellular telephone or CB following: frame, window iewelry (453) Other exterior surface or sill, A (A1/A2)-pillar, B-pillar, (188) Air bag compartment tires (specify): (009) Add on equipment (e.g., or roof side rail. cover-passenger side and (110) Other right side object tape deck, air conditioner) object held (010) Left instrument panel and (specify): (189) Air bag compartment (454) Unknown exterior objects below cover-passenger side and (011) Center instrument panel and **EXTERIOR OF OTHER MOTOR** object in mouth INTERIOR below (190) Other air bag (specify) VEHICLE (012) Right instrument panel and (151) Seat, back support (501) Front bumper (195) Other air bag compartment below (152) Belt restraint webbing/buckle (502) Hood edge (013) Glove compartment door (153) Belt restraint B-pillar or door cover (specify) (503) Other front of vehicle (014) Knee bolster frame attachment point (specify): (015) Windshield including one or (154) Other restraint system more of the following: front component (specify): ROOF (504) Hood header, A (A1/A2)-pillar, (201) Front header (505) Hood ornament instrument panel, mirror, or (155) Head restraint system (202) Rear header (506) Windshield, roof rail, A-pillar steering assembly (driver (160) Other occupants (specify): (203) Roof left side rail (507) Side surface side only) (204) Roof right side rail (508) Side mirrors (016) Windshield including one or (161) Interior loose objects (205) Roof or convertible top (509) Other side protrusions more of the following: front (162) Child safety seat (specify): (specify): header, A (A1/A2)-pillar, **FLOOR** (163) Other interior object instrument panel, or mirror (251) Floor (including toe pan) (510) Rear surface (passenger side only) (specify): (252) Floor or console mounted (511) Undercarriage (017) Windshield reinforced by transmission lever, including (512) Tires and wheels exterior object (specify) console (513) Other exterior of other motor AIR BAG (253) Parking brake handle vehicle (specify): \_\_ (019) Other front object (specify): (170) Air bag-driver side (254) Foot controls including (171) Air bag-driver side and parking brake (514) Unknown exterior of other eyewear motor vehicle LEFT SIDE (172) Air bag-driver side and REAR (051) Left side interior surface. jewelry (301) Backlight (rear window) OTHER VEHICLE OR OBJECT IN excluding hardware or (173) Air bag-driver side and object THE ENVIRONMENT (302) Backlight storage rack, armrests held door, etc. (551) Ground (052) Left side hardware or (174) Air bag-driver side and object (303) Other rear object (specify): (598) Other vehicle or object armrest in mouth (specify): (053) Left A (A1/A2)-pillar (175) Air bag compartment (054) Left B-pillar cover-driver side **ADAPTIVE (ASSISTIVE) DRIVING** (599) Unknown vehicle or object (055) Other left pillar (specify): (176) Air bag compartment EQUIPMENT cover-driver side and (401) Hand controls for NONCONTACT INJURY (056) Left side window glass eyewear braking/acceleration (601) Fire in vehicle (057) Left side window frame (177) Air bag compartment (402) Steering control devices (602) Flying glass (058) Left side window sill cover-driver side and jewelry (attached to OEM steering (603) Other noncontact injury (059) Left side window glass (178) Air bag compartment wheel) source including one or more of the cover-driver side and object (403) Steering knob attached to (specify): following: frame, window held (604) Air bag exhaust gases steering wheel sill, A (A1/A2)-pillar, B-pillar, (179) Air bag compartment (405)Replacement steering wheel (697) Injured, unknown source or roof side rail. cover-driver side and object (i.e., reduced diameter) (060) Other left side object in mouth (406) Joy stick steering controls (specify): (180) Air bag-passenger side (407) Wheelchair tie-downs (181) Air bag-passenger side and (408) Modification to seat belts, evewear (specify): RIGHT SIDE Additional or relocated (182) Air bag-passenger side and (101) Right side interior surface, jewelry switches, (specify): excluding hardware or armrests (410) Raised roof

### OFFICIAL INJURY DATA - SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are DS; CLOSED HEAD INTURYS SOMENAAT LETHARGIC; EASILY AROUSED BLOC unavailable.)

Restrained?

**Blood Alcohol Level** (mg/dl)

BAL = NR Maryward

Glasgow Coma Scale Score

gcss = 15

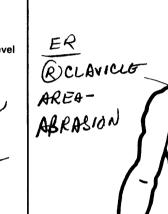
Units of Blood Given

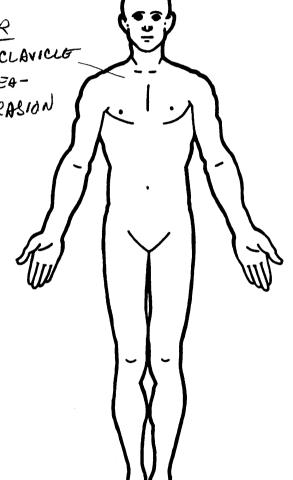
Units = NP

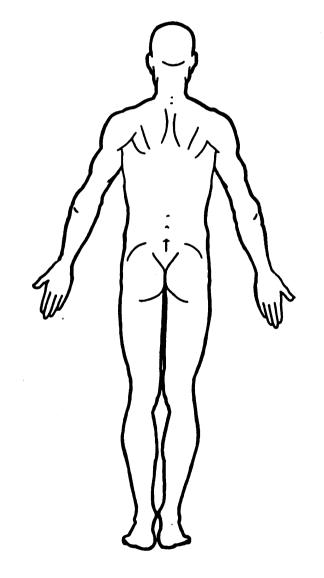
**Arterial Blood Gases** 

pH = \_\_.\_

PCO, HCO<sub>2</sub>

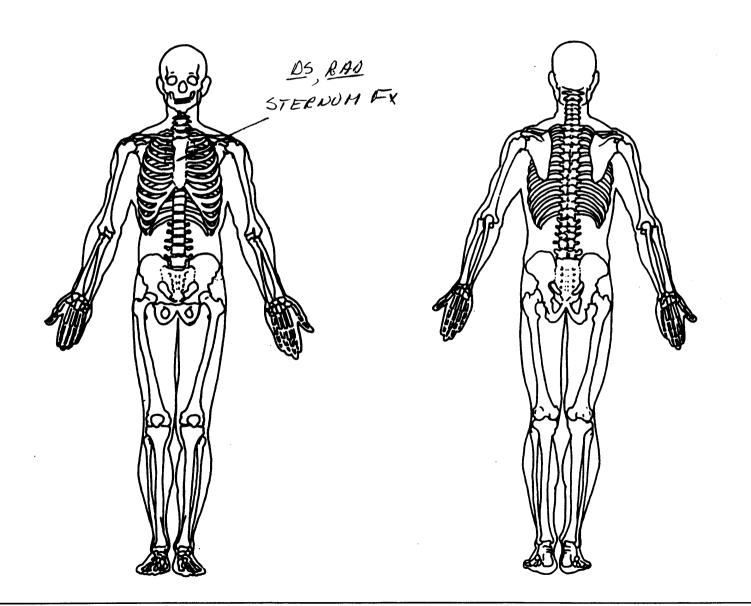




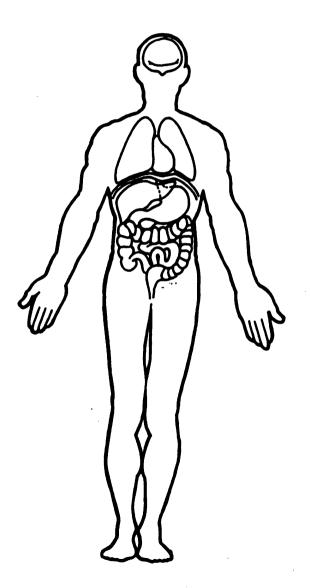


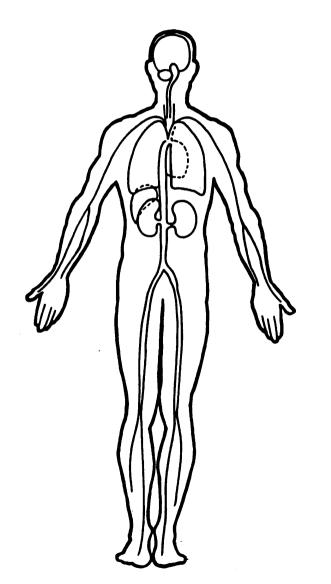
### OFFICIAL INJURY DATA — SKELETAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





U.S. Department of Transportation National Highway Traffic Safety Administration

### **UPDATE FORM**

<ol> <li>Primary Sampling Unit Number</li> <li>Case Number — Stratum</li> <li>Vehicle Number</li> <li>Occupant Number</li> <li>RECEIVED</li> </ol>	09 003K 01 02 1996	Other Information:  (Sanitize this section prior to Update submission.)					
S	TATUS OF OCCUP	ANT IN	FORMATION				
OALOS. Date Official Medical Data Requested  OALOS. Date Official Medical	INITIAL UPDATED SUBMISSION INFORMATION  96	OAL18. GV14.	INITIAL UPDATED INFORMATION  Medical Facility Code				
OAL17. Injury Information		GV16.	Other Drug Specimen Test Type For Driver				
OAL17. Injury Information  Official a. Autopsy (invasive examination) b. Post-ER medical record which includes information about death based on non-invasive examination c. Admission record/summary or admission/discharge face sheet d. Discharge summary e. Operative report f. Radiographic record(s) (X-ray, CT scan) g. History and physical examination and/or consultation records h. Emergency room records (includes nurses' notes) j. Private physician  Unofficial k. Lay coroner l. EMS record m. Interviewee n. Other source (specify):	B	OA05. OA06. OA07. OA08. OA61. OA62.	Occupant's Sex Occupant's Height Occupant's Weight Treatment-Mortality Type of Medical Facility (for Initial Treatment) Hospital Stay				



## **UPDATE FORM**

<ol> <li>Primary Sampling Unit Number</li> <li>Case Number — Stratum</li> <li>Vehicle Number</li> <li>Occupant Number</li> </ol> RECEIVED	09 003 K 01 02 1996	Address Other in	of Occupant Name:  Information:  Information
	TATUS OF OCCUP	ANT IN	FORMATION
OALOS. Date Official Medical Data Requested  OALOS. Date Official Medical Data Obtained	INITIAL UPDATED SUBMISSION INFORMATION 96	OAL18.	INITIAL SUBMISSION INFORMATION  Medical Facility Code
OAL16. Injury Treatment Status OAL17. Injury Information Official		GV16. OA05.	Occupant's Age
a. Autopsy (invasive examination)     b. Post-ER medical record which includes information about death based on non-invasive examination	BB	OA06. OA07. OA08.	Occupant's Sex  Occupant's Height  Occupant's Weight
<ul> <li>c. Admission record/summary or admission/discharge face sheet</li> </ul>	B	OA61.	Treatment-Mortality
d. Discharge summary e. Operative report f. Radiographic record(s) (X-ray, CT scan)	B	OA62.	Type of Medical Facility (for Initial Treatment)  Hospital Stay
g. History and physical examination and/or consultation records	₽		
h. Emergency room records (includes nurses' notes)	B		
j. Private physician <u>Unofficial</u>	B		·
k. Lay coroner	<u>B</u>		
I. EMS record	<u>B</u>		
m. Interviewee	<u>B</u>		
o. Police report	B B B B	Z**	

Form Approved O.M.B. No. 2127-0021

U.S. Department of Transportation National Highway Traffic Safety Administration

### **OCCUPANT ASSESSMENT FORM**

1 Div O with their News	OCCUPANT'S SEATING
1. Primary Sampling Unit Number	10. Occupant's Seat Position
2. Case Number - Stratum 003 k	- Front Seat
3. Vehicle Number	(11) Left side
03	- (12) Middle (13) Right side
4. Occupant Number	(14) Other (specify):
OCCUPANT'S CHARACTERISTICS	(15) On or in the lap of another occupant
5. Occupant's Age Code actual age at time of accident. (OO) Less than one year old (specify by month):  (97) 97 years and older (99) Unknown	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female-not reported pregnant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) (6) Female-pregnant-term unknown (9) Unknown	Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify):
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown	(45) On or in the lap of another occupant  (97) In or on unenclosed area (98) Other seat (specify): (99) Unknown
8. Occupant's Weight Code actual weight to the nearest kilogram. (999) Unknown  150 pounds X .4536 = 168 kilograms	11. Occupant's Posture (0) Normal posture  (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling or sitting in front of seat (4) Sitting independent of the standard of th
9. Occupant's Role (1) Driver (2) Passenger (9) Unknown	<ul> <li>(4) Sitting sideways or turned to talk with another occupant or to look out a rear window</li> <li>(5) Sitting on a console</li> <li>(6) Lying back in a reclined seat position</li> <li>(7) Bracing with feet or hands on a surface in front of seat</li> <li>(8) Other abnormal posture (specify):</li> <li>(9) Unknown</li> </ul>

		EJECTION/EI	NTRAPMENT
	Ejection (O) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	<u>O</u>	15. Medium Status (Immediately Prior To Impact) On No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown
14.	Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, (specify): (9) Unknown  Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown		16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify): (9) Unknown  17. Occupant Mobility (0) Occupant fatal before removed from vehicle (1) Removed from vehicle while unconscious or not oriented to time or place (2) Removed from vehicle due to perceived serious injuries (3) Exited vehicle with some assistance (4) Exited vehicle under own power (5) Occupant fully ejected (8) Removed from vehicle for other reasons (specify): (9) Unknown

18. Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unknown  22. Manual Shoulder Belt Upper Anchorage Adjustment (0) No manual shoulder belt (1) No upper anchorage adjustment for manual shoulder belt (1) Adjustable shoulder Belt Upper Anchorage (2) In full up position	<u>O</u>
Integral Belt Partially Destroyed  (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed) (8) Other belt (specify):  (9) Unknown if position has adjustable upper anchorage adjustment	2
(9) Unknown  19. Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify):  23. Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown	<u>0</u>
(02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):    Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown  24. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or	0
(12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (16) Shoulder belt used with child safety seat (17) Automatic belt in use (manually disconnected, motorized track inoperative) (specify): (18) Automatic belt use unknown	_
(18) Other belt used with child safety seat (specify): (99) Unknown if belt used  20. Proper Use of Manual (Active) Belts (0) None used or not available (1) Belt used properly  (9) Unknown  25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown	<u>O</u>
(2) Belt used properly with child safety seat  Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person  (6) Proper Use of Automatic (Passive) Belt System (9) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat	0
(6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):  (8) Other improper use of manual belt system (specify):  (8) Other improper use of manual belt system (specify):  (8) Other improper use of manual belt system (specify):  (8) Other improper use of manual belt system (specify):	
(9) Unknown (7) Automatic lap and shoulder belt or	
21. Manual (Active) Belt Failure Modes During Accident (0) No manual belt used or not available (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate  automatic shoulder belt used improperly with child safety seat (specify):  (8) Other improper use of automatic belt system (specify): (9) Unknown	1
(4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other manual belt failure (specify):  27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):	ed)
(9) Unknown  (6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify): (9) Unknown	

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION				
28. Police Reported Belt Use (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown				
(9) Police indicated "unknown"  29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	<ul> <li>31. Frontal Air Bag System Deployment (This Occupant Position)</li> <li>(0) Not equipped/not available</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>				
Check the Primary Source Used In Determining Belt Use.  [V Vehicle inspection [] Official injury data [] Driver/occupant interview [] Other (specify):  [] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown  Specify type of "other" air bag present:				
	<ul> <li>33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position)</li> <li>(0) Not equipped with an "other" air bag</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>				
	34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown				

FIRST SEAT FRONTAL AIR	BAG SYSTEM EVALUATION
35. Had Vehicle Been in Previous Accident(s)?  (0) Not equipped/not available (1) No previous accidents  Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of + Delta V For Air Bag
36. Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed
37. Had Any Prior Maintenance/Service Been Performed On This Air Bag System?  (O) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify):  (9) Unknown	<ul> <li>(9) Unknown</li> <li>42. Were Air Bag Module Cover Flap(s) Damaged? On Not equipped/not available</li> <li>(1) No</li> <li>(2) Yes (specify): One of the second o</li></ul>
38. Air Bag Deployment Accident Event Sequence Number (00) Not equipped/not available Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown	(8) Unknown if deployed (9) Unknown  43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged   Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn
39. CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify):  (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(05) Holed (06) Burned (07) Abraded (88) Other damage (specify):  (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

FIRST	SEAT FRONTAL AIR BAG SYSTEM	H	EAD RESTRAINT AND SEAT EVALUATION
44. Source (00) No (01) No (02) Ob (03) Ob (04) Ad (05) Fir (06) Th (07) Re (88) Ot (95) Da (96) De (97) No	of Air Bag Damage ot equipped/not available ot damaged bject worn by occupant, (specify): bject carried by occupant, (specify): daptive/assistive controls, (specify): re in vehicle hermal burns escue or emergency efforts ther damage source (specify): amaged, unknown source eployed, unknown if damaged ot deployed	49.	Head Restraint Type/Damage by Occupant at This Occupant Position  (O) No head restraints  (1) Integral—no damage  (2) Integral—damaged during accident  (3) Adjustable—no damage  (4) Adjustable—damaged during accident  (5) Add-on—no damage  (6) Add-on—damaged during accident  (8) Other (specify):  (9) Unknown  Seat Type (this Occupant Position)  (00) Occupant not seated or no seat  (01) Bucket  (02) Bucket with folding back  (03) Bench
(98) Un (99) Un 45. Was The (0) Not (1) No	nknown if deployed	) -	(03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Box mounted seat (i.e., van type) (10) Other seat type (specify):
(7) Not (8) Unk (9) Unk 46. Did The	oloyed, unknown if tethered deployed known if deployed known e Air Bag Have Vent Ports?	51.	Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat (2) Rear facing seat (3) Side facing seat (inward)
(2) Yes (3) Depl (7) Not	s (specify number of vent ports):  ployed, unknown if vent ports present deployed known if deployed known	52.	(4) Side facing seat (outward) (8) Other (specify):  (9) Unknown  Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat (1) Non adjustable seat track
Contact (0) Not (1) No (2) Yes (3) Depl to ai (7) Not	e Air Bag in this Occupant's Position ted by Another Occupant? equipped/not available s (specify):  ployed, unknown if other occupant contact air bag deployed known if deployed known if deployed known		<ul> <li>(1) Non-adjustable seat track</li> <li>Adjustable Seat Track</li> <li>(2) Seat at forward most track position</li> <li>(3) Seat between forward most and middle track positions</li> <li>(4) Seat at middle track position</li> <li>(5) Seat between middle and rear most track positions</li> <li>(6) Seat at rear most track position</li> <li>(9) Unknown</li> </ul>
(0) Not (1) No (2) Eyeg (3) Cont (4) Depl (7) Not	ais Occupant Wearing Eye-wear? air bag equipped/air bag not available glasses/sunglasses atact lenses aloyed, unknown if eyewear worn deployed anown if deployed anown		

### **HEAD RESTRAINT AND SEAT EVALUATION continued**

53. Seat Back Incline Prior and Post Impact



(00) Occupant not seated or no seat(01) Not adjustable

### Upright prior to impact

- (11) Moved to completely rearward position
- (12) Moved to rearward midrange position
- (13) Moved to slightly rearward position
- (14) Retained pre-impact position
- (15) Moved to slightly forward position
- (16) Moved to forward midrange position
- (17) Moved to completely forward position

### Slightly reclined prior to impact

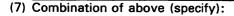
- (21) Moved to completely rearward position
- (22) Moved to rearward midrange position
- (23) Retained pre-impact position
- (24) Moved to upright position
- (25) Moved to slightly forward position
- (26) Moved to forward midrange position
- (27) Moved to completely forward position

### Completely reclined prior to impact

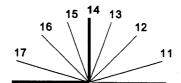
- (31) Retained pre-impact position
- (32) Moved to rearward midrange position
- (33) Moved to slightly rearward position
- (34) Moved to upright position
- (35) Moved to slightly forward position
- (36) Moved to forward midrange position
- (37) Moved to completely forward position
- (99) Unknown
- 54. Seat Performance (this Occupant Position)

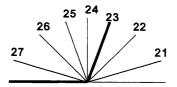


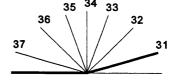
- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify):
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion, (specify):



- (8) Other (specify):
- (9) Unknown







	CHILD SA	FETY SEAT
55.	Child Safety Seat Make/Model (000) No child safety seat Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat (997) Other make/model (specify):  (998) Unknown make/model (999) Unknown if child safety seat used	58. Child Safety Seat Harness Usage  59. Child Safety Seat Shield Usage  60. Child Safety Seat Tether Usage
57.	Type of Child Safety Seat  (0) No child safety seat  (1) Infant seat  (2) Toddler seat  (3) Convertible seat  (4) Booster seat - with shield  (5) Booster seat - without shield  (7) Other type child safety seat (specify):  (8) Unknown child safety seat type  (9) Unknown if child safety seat used  Child Safety Seat Orientation  (00) No child safety seat  Designed for Rear Facing for This Age/Weight  (01) Rear facing  (02) Forward facing  (08) Other orientation (specify):  (09) Unknown orientation  Designed For Forward Facing for This Age/Weight  (11) Rear facing  (12) Forward facing  (13) Other orientation (specify):  (19) Unknown orientation  Unknown Design or Orientation For This Age/Weight  (21) Rear facing  (22) Forward facing  (23) Other orientation (specify):  (29) Unknown orientation  (99) Unknown if child safety seat used	Note: Options below applicable to Variables OA58-OA60.  (00) No child safety seat  **Not Designed With Harness/Shield/Tether**  (01) After market harness/shield/tether added, not used  (02) After market harness/shield/tether used  (03) Child safety seat used, but no after market harness/shield/tether added  (09) Unknown if harness/shield/tether added or used  **Designed With Harness/Shield/Tether**  (11) Harness/shield/tether not used  (12) Harness/shield/tether used  (19) Unknown if harness/shield/tether used  **Unknown if Designed With Harness/Shield/Tether**  (21) Harness/shield/tether not used  (22) Harness/shield/tether used  (29) Unknown if harness/shield/tether used  (99) Unknown if child safety seat used

#### **INJURY CONSEQUENCES** 61. Injury Severity (Police Rating) 63. Type Of Medical Facility (for Initial Treatment) (0) Not treated at a medical facility (0) O - No injury (1) Trauma center (1) C - Possible injury (2) Hospital (2) B - Nonincapacitating injury (3) Medical clinic (3) A - Incapacitating injury (4) Physician's office (4) K - Killed (5) Treatment later at medical facility (5) U - Injury, severity unknown (8) Other (specify): (6) Died prior to accident (9) Unknown (9) Unknown 62. Treatment - Mortality 64. Hospital Stay (0) No treatment (00) Not Hospitalized (1) Fatal Code the number of days (up through 60) (2) Fatal - ruled disease (specify): that the occupant stayed in hospital. (61) 61 days or more (99) Unknown Nonfatal (3) Hospitalization 65. Working Days Lost (4) Transported and released Code the number of days (5) Treatment at scene - nontransported (up through 60) that the occupant (6) Treatment later lost from work due to the accident (7) Treatment - other (specify): (00) No working days lost (61) 61 days or more (8) Transported to a medical facility-unknown if (62) Fatally injured treated (97) Not working prior to accident (9) Unknown (99) Unknown

### **STOP WORK HERE**

**VARIABLES 66-74** 

TO BE CODED BY THE ZONE CENTER

## TO BE CODED BY THE ZONE CENTER

	INJURY CONSEQUENCES		TRAUMA DATA
66.	Time to Death  Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 da 31, 2 days = 32, n days = 30 + n up through 30 days = 60)  Not fatal  Fatal - ruled disease  (99) Unknown	y =	71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
67.	1st Medically Reported Cause of Death	00	72. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given
	2nd Medically Reported Cause of Death	0 6	(specify units):(9) Unknown if blood given
69.	Srd Medically Reported Cause of Death	00	73. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported, HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured
	disease) (specify):		BELT USE DETERMINATION
70.	Number of Recorded Injuries for This Occupant  Code the actual number of injuries recorded for this occupant.  (00) No recorded injuries  (97) Injured, details unknown  (99) Unknown if injured	01	74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used



U.S. Department of Transportation National Highway Traffic Safety Administration

### **OCCUPANT INJURY FORM**

BEST AVAILABLE

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number 09 3. Vehicle Number 01

2. Case Number - Stratum 003 K 4. Occupant Number 03

### **INJURY DATA**

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

	A.I.S 90								Injury		Occupant
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	– Injury Aspect Source	_ • •	•	Direct/ Indirect Injury	Area Intrusion Number
1	p phro	مهل							Property States	1111 21 V	
1st	5. <u>7</u>	6. <u>le</u>	7.4	8. <u>06</u>	9. <u>78</u>	10	11. <u>&amp;</u>	12. <u>603</u>	13. 2	14. <u>3</u>	15.
2nd	16	17	18	19.8	20	21.	22.	23	24.	25.	26.
3rd	27	28	29	30	31	32	33	34.	35	36	37
4th	38	39	40	41	42	43	44	45	46	47	48
5th	49.	50.	51.	52.	53.	54.	55	56.	<b>57</b>	58.	59.
	· · · · · · · · · · · · · · · · · · ·					_	_				
6th	60	61	62	63	64	65	66	67	68.	69	70
7th	71	72	73	74	75	76	77	78	_ <b>79</b>	80	81
8th	82	83	84	85	86	87	88	89	90.	91	92
9th	93	94	95	96	97	98	99	100	_101	102	103
10th	104 1	05	106	107	108	109	110	111	_112	113	114
					u Musem lide uit inne († 1. 1945 - Paris III. 1940 - Paris III.						

HS Form 433B (1/96)

This report is authorized by P.L. 89-563, Title 1, Section 106, 108, and 112. While you are not required to respond, your cooperation is needed to make the results of this data collection effort comprehensive, accurate, and timely.

	OCCUPANT INJURY DATA										
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
11th			<del></del>								
12th						# 10 4400 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
13th		_					<u>-</u>		_		
14th									<del>-</del>		
15th	_		_	<u> </u>			_		<u></u>	<u>-</u>	
18th	_		<del>-</del>			_	_	———	—	_	
17th 18th		<u></u>									
19th							_		—		
20th	<del></del>										
21st						<u>-</u>			_	<u></u>	
<b>22</b> nd							<del></del>		_	<u>—</u>	
23rd						<del>- 11</del>	<del></del>		_	_	
24th	_		_			<del></del>	_			_	
25th		<del>-</del>						<del></del> -			

### **OCCUPANT INJURY CLASSIFICATION**

### **Body Region**

- Head
- (2)Face
- (3) Neck
- (4)Thorax
- (5) Abdomen
- (6)Spine
- (7)**Upper Extremity**
- **Lower Extremity** (8)
- (9) Unspecified

#### Type of Anatomic Structure

- Whole Area (1)
- (2) Vessels
- (3)Nerves
- Organs (includes (4)Muscles/ligaments)
- (5)Skeletal (includes joints)

**SOURCE OF INJURY DATA** 

- Head LOC (6)
- (9)Skin

#### **Specific Anatomic** Structure

Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02.

The exceptions to this rule apply to:

#### Whole Area

- (02) Skin Abrasion (04) Skin Contusion
- (06) Skin Laceration (08) Skin Avulsion (10) Amputation

- (20) Burn
- (30) Crush
- (40) Degloving
- (50) Injury NFS
- (90) Trauma, other than mechanical

#### Head - LOC

(02) Length of LOC

- (04) Level
- (06) of
- (08) Consciousness
- (10) Concussion

#### Spine

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

#### Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

### **Abbreviated Injury Scale**

- Minor Injury
- Moderate Injury (2)
- (3) Serious Injury
- (4) Severe Injury
- Critical Injury (5) (6) Maximum
- (untreatable)
- (7) Injured, unknown severity

### **Aspect**

- (1) Right
- (2) Left
- (3)Bilateral
- (4)Central (5) Anterior
- (6)**Posterior**
- (7)Superior
- (8) Inferior
- (9)Unknown

**DIRECT/INDIRECT INJURY** 

(O) Whole region

**CONFIDENCE LEVEL** OFFICIAL RECORDS (1) Autopsy records with or (1) Certain Direct contact injury (2) Probable without hospital/medical (2) Indirect contact injury (3) (3) Possible records Noncontact injury (2) Hospital/medical records other (9) Unknown (7) Injured, unknown source than emergency room (e.g., discharge summary) (3) Emergency room records only (including associated X-rays or other lab reports) (4) Private physician, walk-in or emergency clinic **UNOFFICIAL RECORDS** (5) Lav coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify): (9) Police

**INJURY SOURCE** 

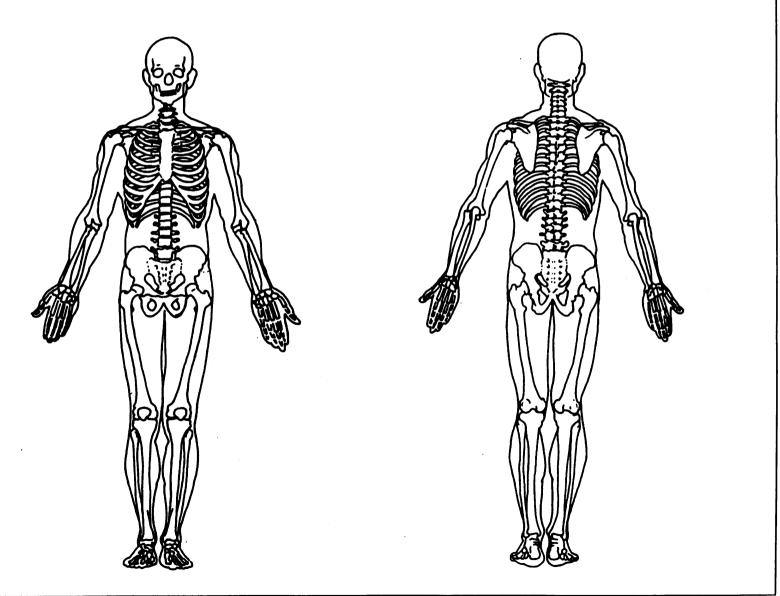
FRONT		(102)	Right side hardware or	(183)	Air bag-passenger side and	(411)	Wall mounted head rest
	Windshield		armrest		object held		(used behind wheel chair)
	Mirror		Right A (A1/A2)-pillar	(184)	Air bag-passenger side and	(412)	Other adaptive device
	Sunvisor		Right B-pillar	·	object in mouth		(specify):
	Steering wheel rim	(105)	Other right pillar (specify):	(185)	Air bag compartment		<del></del>
	Steering wheel hub/spoke				cover-passenger side		
(006)	Steering wheel (combination		Right side window glass	(186)	Air bag compartment		RIOR of OCCUPANT'S
	of codes 004 and 005)		Right side window frame		cover-passenger side and	VEHIC	JLE .
(007)	Steering column,		Right side window sill		eyewear	(451)	Hood
	transmission selector lever,	(109)	Right side window glass	(187)	Air bag compartment	(452)	Outside hardware (e.g.,
	other attachment		including one or more of the		cover-passenger side and		outside mirror, antenna)
(800)	Cellular telephone or CB		following: frame, window		jewelry	(453)	Other exterior surface or
	radio		sill, A (A1/A2)-pillar, B-pillar,	(188)	Air bag compartment		tires (specify):
(009)	Add on equipment (e.g.,		or roof side rail.		cover-passenger side and		
	tape deck, air conditioner)	(110)	Other right side object		object held		
(010)	Left instrument panel and		(specify):	(189)	Air bag compartment	(454)	Unknown exterior objects
**	below		lopes,.	. • •	cover-passenger side and	۱۰ <del>۰</del>	Olikilottii ontollo. oojeeta
(011)	Center instrument panel and				object in mouth	FXTE	RIOR OF OTHER MOTOR
١٠.	below	INTER	dOR	(190)	Other air bag (specify)	VEHIC	
(012)	Right instrument panel and		Seat, back support	1100.	Other all bay tapacity,		
10.2.	below		Belt restraint webbing/buckle	(195)	Other air bag compartment		Front bumper
(013)	Glove compartment door		Belt restraint webbing/buckle Belt restraint B-pillar or door	(150,			Hood edge
	Knee bolster	(100,	·		cover (specify)	(503)	Other front of vehicle
		/1 E A \	frame attachment point				(specify):
(015)	Windshield including one or	(154)	Other restraint system			:354)	
	more of the following: front		component (specify):	ROOF		(504)	
	header, A (A1/A2)-pillar,				Front header		Hood ornament
	instrument panel, mirror, or		Head restraint system		Rear header		Windshield, roof rail, A-pilla
	steering assembly (driver	(160)	Other occupants (specify):		Roof left side rail		Side surface
	side only)				Roof right side rail	(508)	Side mirrors
(016)	Windshield including one or		Interior loose objects	(205)	Roof or convertible top	(509)	Other side protrusions
	more of the following: front	(162)	Child safety seat (specify):				(specify):
	header, A (A1/A2)-pillar,			FLOOR	A		
	instrument panel, or mirror	(163)	Other interior object	(251)	Floor (including toe pan)	(510)	Rear surface
	(passenger side only)		(specify):	(252)	Floor or console mounted		Undercarriage
(017)	Windshield reinforced by				transmission lever, including		Tires and wheels
	exterior object (specify)				console		
		AIR BA	AG	(253)	Parking brake handle	•	vehicle (specify):
(019)	Other front object (specify):		Air bag-driver side		Foot controls including		VOINGIO 100001.77.
			Air bag-driver side and	•	parking brake	(514)	Unknown exterior of other
	<del></del>	• -	eyewear		haven's press	10	motor vehicle
LEFT S	SIDE	(172)	Air bag-driver side and	REAR			MOTOL ARIBOID
	Left side interior surface,	1	jewelry		Backlight (rear window)	OTHE	THE HOLE OF OR IECT IN
100.,	excluding hardware or	(173)	Air bag-driver side and object		Backlight (rear window)  Backlight storage rack,		R VEHICLE OR OBJECT IN
	armrests	(170,	<del>.</del>	(SUZ,			NVIRONMENT
(052)		(174)	held . Air han-driver side and object	12021	Other rear chiest (specific)		Ground
(052)	Left side hardware or	(1/4/	Air bag-driver side and object	(さいさ)	Other rear object (specify):	(598)	Other vehicle or object
·2531	armrest	** 751	in mouth				(specify):
	Left A (A1/A2)-pillar	(1/5)	Air bag compartment				
	Left B-pillar		cover-driver side		TIVE (ASSISTIVE) DRIVING	(599)	Unknown vehicle or object
(056)	Other left pillar (specify):	(176)	Air bag compartment	EQUIP			
			cover-driver side and	(401)	Hand controls for	NONC	CONTACT INJURY
	Left side window glass		eyewear		braking/acceleration	(601)	Fire in vehicle
	Left side window frame	(177)	Air bag compartment	(402)	Steering control devices		Flying glass
	Left side window sill		cover-driver side and jewelry		(attached to OEM steering		Other noncontact injury
(059)	Left side window glass	(178)	Air bag compartment		wheel)		SOURCE 5.4
	including one or more of the		cover-driver side and object	(403)	Steering knob attached to		(specify): Impact for
	following: frame, window		held		steering wheel	(604)	Air bag exhaust gases
	sill, A (A1/A2)-pillar, B-pillar,	(179)	Air bag compartment	(405)	Replacement steering wheel		Injured, unknown source
	or roof side rail.	•	cover-driver side and object	•	(i.e., reduced diameter)	100	Hijurbu, unknown soc.ss
	Other left side object		in mouth	(406)	Joy stick steering controls		
(060)	(specify):	(180)	Air bag-passenger side		Wheelchair tie-downs		
(060)	(Speen y).		Air bag-passenger side and		Modification to seat belts,		
(060)		\ ·	All nag-hassonings, ares are	(400,	(specify):		
(060)					(SDSCITVI)		
(060)	SIDE		eyewear Air bag-passenger side and	(400)			
RIGHT			Air bag-passenger side and	(409)	Additional or relocated		
RIGHT	SIDE Right side interior surface, excluding hardware or		•	(409)			

Page

PCO<sub>2</sub> \_\_\_\_

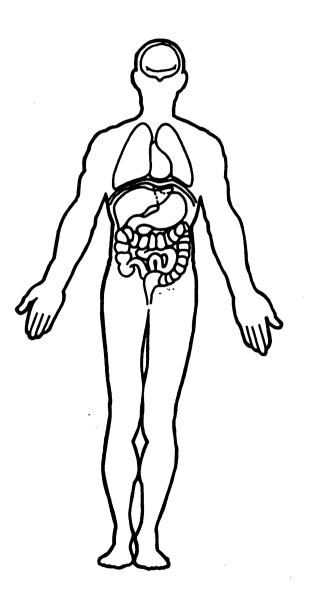
### OFFICIAL INJURY DATA — SKELETAL INJURIES

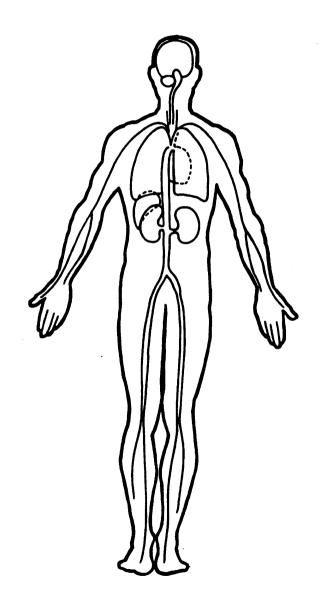
Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



### OFFICIAL INJURY DATA -INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





### **OCCUPANT ASSESSMENT FORM**

Form Approved O.M.B. No. 2127-0021

1. Primary Sampling Unit Number	OCCUPANT'S SEATING
2. Case Number - Stratum	10. Occupant's Seat Position 22
3. Vehicle Number	Front Seat (11) Left side
4. Occupant Number	(12) Middle (13) Right side
OCCUPANT'S CHARACTERISTICS	(14) Other (specify):
5. Occupant's Age Code actual age at time of accident. (00) Less than one year old (specify by month):  (97) 97 years and older (99) Unknown	(15) On or in the lap of another occupant  Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female-not reported pregnant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) (6) Female-pregnant-term unknown (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant  Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify):
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown  7/ inches X 2.54 = 180 centimeters	(45) On or in the lap of another occupant  (97) In or on unenclosed area  (98) Other seat (specify):  (99) Unknown
8. Occupant's Weight Code actual weight to the nearest kilogram. (999) Unknown  (999) Unknown  (60) pounds X .4536 = 073 kilograms  9. Occupant's Role (1) Driver (2) Passenger (9) Unknown	11. Occupant's Posture (0) Normal posture  (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another occupant or to look out a rear window (5) Sitting on a console (6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify): (9) Unknown

	EJEC <sup>*</sup>	TION/EI	NTRAPMENT
12.	Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	0	15. Medium Status (Immediately Prior To Impact)  (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown
	Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown  Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify):  (5) Integral structure (8) Other medium (specify):		16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify):

	BELT SYSTEM	W FUNCTION
18.	Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unknown  Integral Belt Partially Destroyed	22. Manual Shoulder Belt Upper Anchorage Adjustment (0) No manual shoulder belt (1) No upper anchorage adjustment for manual shoulder belt  Adjustable shoulder Belt Upper Anchorage (2) In full up position (3) In mid position (4) In full down position
	(6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed) (8) Other belt (specify): (9) Unknown	(4) In full down position (5) Position unknown (9) Unknown if position has adjustable upper anchorage adjustment  23. Automatic (Passive) Belt System Availability/
19.	Manual (Active) Belt System Use (OO) None used, not available, or belt removed/destroyed (O1) Inoperative (specify):	Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown Non-functional
	(02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown	(4) Automatic belts destroyed or rendered inoperative (9) Unknown
	(08) Other belt used (specify): (12) Shoulder belt used with child safety seat	24. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use
	<ul> <li>(13) Lap belt used with child safety seat</li> <li>(14) Lap and shoulder belt used with child safety seat</li> <li>(15) Belt used with child safety seat—type unknown</li> <li>(18) Other belt used with child safety seat</li> </ul>	(2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify):  (3) Automatic belt use unknown (9) Unknown
20.	(specify):	25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system
	(0) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat	(2) Motorized system (9) Unknown  26. Proper Use of Automatic (Passive)
	Belt Used Improperly  (3) Shoulder belt worn under arm  (4) Shoulder belt worn behind back or seat  (5) Belt worn around more than one person	Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat
	<ul> <li>(6) Lap belt worn on abdomen</li> <li>(7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):</li> <li>(8) Other improper use of manual belt system</li> </ul>	Automatic Belt Used Improperly  (3) Automatic shoulder belt worn under arm  (4) Automatic shoulder belt worn behind back  (5) Automatic belt worn around more than  one person
	(specify):	(6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or
21.	Manual (Active) Belt Failure Modes  During Accident	automatic shoulder belt used improperly with child safety seat (specify):
	<ul> <li>(0) No manual belt used or not available</li> <li>(1) No manual belt failure(s)</li> <li>(2) Torn webbing (stretched webbing not included)</li> </ul>	(8) Other improper use of automatic belt system (specify): (9) Unknown
	<ul> <li>(3) Broken buckle or latchplate</li> <li>(4) Upper anchorage separated</li> <li>(5) Other anchorage separated (specify):</li> </ul>	27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use
	<ul> <li>(6) Broken retractor</li> <li>(7) Combination of above (specify):</li> <li>(8) Other manual belt failure (specify):</li> </ul>	<ul> <li>(1) No automatic belt failure(s)</li> <li>(2) Torn webbing (stretched webbing not included)</li> <li>(3) Broken buckle or latchplate</li> <li>(4) Upper anchorage separated</li> <li>(5) Other anchorage separated (specify):</li> </ul>
	(9) Unknown	(6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify):
	·	(9) Unknown

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use  (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown
(9) Police indicated "unknown"  29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	<ul> <li>31. Frontal Air Bag System Deployment (This Occupant Position)</li> <li>(0) Not equipped/not available</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>
Check the Primary Source Used In Determining Belt Use.  [ Vehicle inspection [ ] Official injury data [ ] Driver/occupant interview [ ] Other (specify): [ ] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown  Specify type of "other" air bag present:
	33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
	34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown

	FIRST SEAT FRONT		BAG SYSTE	M EVALUATION		
<ul><li>(3) One previous ac</li><li>(4) More than one pone deployment</li></ul>	ot available idents nt(s) without deploymen ccident with deployment previous accident with a	t least	Delta V Deploym (_000) (_996) (_997) (_998)	dinal Component of For Air Bag nent Impact Not equipped/not ava Code the value of the impact that initiated is deployment Deployment, unknow Delta V Not deployed Unknown if deployed Unknown	e delta V for t the air bag 'n longitudinal	
36. Type of Air Bag (0) Not equipped/no (1) Original manufac (2) Retrofitted air back (3) Replacement air (8) Unknown type of (9) Unknown	cturer installed system ag bag	0	Designat (0) Not of (1) No (2) Yes (3) Deplored designation (7) Not of (8) Unkr	Bag Module Cover Flag ted Tear Points? equipped/not available loyed, unknown if flap gnated tear points deployed nown if deployed	•	<u>0</u>
37. Had Any Prior Maint Been Performed On (0) Not equipped/no (1) No prior mainter (2) Yes, prior mainter (9) Unknown	This Air Bag System? ot available nance enance (specify):	<u>0</u>	(0) Not (1) No (2) Yes (3) Deplored (7) Not (	r Bag Module Cover Flequipped/not available (specify):		
Sequence Number (00) Not equipped/ Code the	not available accident event sequence nat initiated the air bag nt nown event	e	(9) Unkr 43. Was The (00) No (01) No	ere Damage To The Ai ot equipped/not availab ot damaged or Bag Damage optured		<u>00</u>
39. CDC For Air Bag De (0) Not equipped/no (1) Highest delta V (2) Second highest (3) Other non-coded  (6) Deployed, unkno (7) Not deployed (8) Unknown if depl (9) Unknown	t available  delta V I delta V (specify):		(05) Ho (06) Bui (07) Ab (88) Oth (95) Dai (96) Dej (97) No	oled rned braded her damage (specify): maged, details unknow ployed, unknown if da t deployed known if deployed		

	FIRST SEAT FRONTAL AIR BAG SYSTEM	H	EAD RESTRAINT AND SEAT EVALUATION
44.	Source of Air Bag Damage (00) Not equipped/not available (01) Not damaged (02) Object worn by occupant, (specify): (03) Object carried by occupant, (specify): (04) Adaptive/assistive controls, (specify): (05) Fire in vehicle (06) Thermal burns (07) Rescue or emergency efforts (88) Other damage source (specify): (95) Damaged, unknown source (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown (99) Unknown	49.	Head Restraint Type/Damage by Occupant at This Occupant Position  (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):  (9) Unknown  Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions
	Was The Air Bag Tethered? (0) Not equipped/not available (1) No (2) Yes (specify number of tether straps):  (3) Deployed, unknown if tethered (7) Not deployed (8) Unknown if deployed (9) Unknown Did The Air Bag Have Vent Ports?	51.	(07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Box mounted seat (i.e., van type) (10) Other seat type (specify): (99) Unknown  Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat
	(0) Not equipped/not available (1) No (2) Yes (specify number of vent ports):  (3) Deployed, unknown if vent ports present (7) Not deployed (8) Unknown if deployed (9) Unknown	52	(2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify):  (9) Unknown  2. Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat (1) Non-adjustable seat track
47.	Was the Air Bag in this Occupant's Position Contacted by Another Occupant?  (0) Not equipped/not available (1) No (2) Yes (specify):  (3) Deployed, unknown if other occupant contact to air bag (7) Not deployed (8) Unknown if deployed (9) Unknown		Adjustable Seat Track (2) Seat at forward most track position (3) Seat between forward most and middle track positions (4) Seat at middle track position (5) Seat between middle and rear most track positions (6) Seat at rear most track position (9) Unknown
48.	Was This Occupant Wearing Eye-wear?  (0) Not air bag equipped/air bag not available  (1) No  (2) Eyeglasses/sunglasses  (3) Contact lenses  (4) Deployed, unknown if eyewear worn  (7) Not deployed  (8) Unknown if deployed  (9) Unknown		

### HEAD RESTRAINT AND SEAT EVALUATION continued

- 53. Seat Back Incline Prior and Post Impact
  - (00) Occupant not seated or no seat
  - (01) Not adjustable

### Upright prior to impact

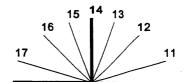
- (11) Moved to completely rearward position
- (12) Moved to rearward midrange position
- (13) Moved to slightly rearward position
- (14) Retained pre-impact position
- (15) Moved to slightly forward position
- (16) Moved to forward midrange position
- (17) Moved to completely forward position

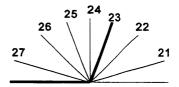
### Slightly reclined prior to impact

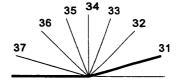
- (21) Moved to completely rearward position
- (22) Moved to rearward midrange position
- (23) Retained pre-impact position
- (24) Moved to upright position
- (25) Moved to slightly forward position
- (26) Moved to forward midrange position
- (27) Moved to completely forward position

### Completely reclined prior to impact

- (31) Retained pre-impact position
- (32) Moved to rearward midrange position
- (33) Moved to slightly rearward position
- (34) Moved to upright position
- (35) Moved to slightly forward position
- (36) Moved to forward midrange position
- (37) Moved to completely forward position
- (99) Unknown
- 54. Seat Performance (this Occupant Position)
  - (0) Occupant not seated or no seat
  - (1) No seat performance failure(s)
  - (2) Seat adjusters failed
  - (3) Seat back folding locks or "seat back" failed (specify):
  - (4) Seat track/anchors failed
  - (5) Deformed by impact of occupant
  - (6) Deformed by passenger compartment intrusion, (specify):
  - (7) Combination of above (specify):
  - (8) Other (specify):
  - (9) Unknown







FETY SEAT
58. Child Safety Seat Harness Usage
59. Child Safety Seat Shield Usage
Note: Options below applicable to Variables OA58-OA60.  (00) No child safety seat
Not Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used (02) After market harness/shield/tether used (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used  Designed With Harness/Shield/Tether (11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used  Unknown If Designed With Harness/Shield/Tether (21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used

Mational Accident Sampling System-Clashworthiness De	ata System. Occupant Assessment Form	rage s
INJURY CONSEQUENCES		
61. Injury Severity (Police Rating)  (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown	63. Type Of Medical Facility (for Initial Treatmen (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):	t) <u>O</u>
62. Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):  Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify):	64. Hospital Stay (00) Not Hospitalized Code the number of days (up through 6 that the occupant stayed in hospital. (61) 61 days or more (99) Unknown 65. Working Days Lost Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost	20 60) 7
(8) Transported to a medical facility-unknown if treated (9) Unknown	(61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown	
STOP W	VORK HERE	
VARIAE	BLES 66-74	

TO BE CODED BY THE ZONE CENTER

## TO BE CODED BY THE ZONE CENTER

66. Time to Death Code number of hours from time of secident to time of death up through 24 hours. If time of death up through 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60)  (00) Not fatal (96) Fatal - ruled disease (99) Unknown  67. 1st Medically Reported Cause of Death Code the Occupant injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (00) Not fatal of or each (specify units):  (97) Other result (includes fatal ruled disease) (specify):  (99) Unknown  70. Number of Recorded Injuries for This Occupant Code the actual number of injuriers recorded for this occupant. (00) Not recorded injuryed (20) Not recorded injuryed (20) Not requipped/not available/destroyed or rendered injury data (20) Injured, details unknown (99) Unknown if injured  71. Glasgow Coma Scale (GCS) Score (20) (20) Not GCS Score the decical facility (20) Not GCS Score throad the initial GCS Score recorded at medical facility. (20) No GCS Score recorded at medical facility. (20) No GCS Score recorded at medical facility. (20) No GCS Score throad the initial GCS Score recorded specifically (20) Unknown if jured (20) Unknown if jured (20) Unknown if jured (20) Unknown if blood given (20) Unknown if blood given (20) Unknown if blood given (20) Unknown if plood given (20) Unknown if jured (20) Unknown if jury data	IN UIDY CONCECUENCES		TDALINA DATA
Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60)  (OO) Not fatal (99) Estal - ruled disease (99) Unknown  67. 1st Medically Reported Cause of Death Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (OO) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (Specify):  (97) Other result (includes fatal ruled disease) (specify):  (99) Unknown  70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (OO) No recorded injury data (3) Diver/occupant injury data (3) Diver/occupant injury data (3) Diver/occupant injury data (3) Diver/occupant interview (8) Other (specify):	INJURY CONSEQUENCES		TRAUMA DATA
68. 2nd Medically Reported Cause of Death  69. 3rd Medically Reported Cause of Death Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (00) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (specify):  (97) Other result (includes fatal ruled disease) (specify):  (99) Unknown  70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown  74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Yes - blood given (specify units): (9) Unknown if blood given  73. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported, HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured  74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (6) Other (specify): (9) Unknown if blood given  (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (4) Unknown if blood given (5) Yes - blood given (5) Yes - blood given (5) Yes - blood given (6) Yes - blood given (7) Vehicle inspection (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (4) Unknown if blood given (5) Yes - blood given (6) Yes - blood given (7) Vehicle inspection (8) Other (specify): (9) Unknown if blood given (9) Unknown if blood given (9) Unknown if plured	Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 da 31, 2 days = 32, n days = 30 + n up through 30 days = 60) (00) Not fatal (96) Fatal - ruled disease	y =	(at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown
(96) Mode of death given but specific injuries are not linked to cause of death. (specify):  (97) Other result (includes fatal ruled disease) (specify):  (99) Unknown  (99) Unknown  70. Number of Recorded Injuries for This Occupant  Code the actual number of injuries recorded for this occupant.  (00) No recorded injuries  (97) Injured, details unknown  (98) ABGs reported, HCO <sub>3</sub> unknown  (99) Unknown if injured  (99) Unknown if injured  74. Primary Source of Belt Use Determination  (0) Not equipped/not available/destroyed or rendered inoperative  (1) Vehicle inspection  (2) Official injury data  (3) Driver/occupant interview  (8) Other (specify):  (9) Unknown if helt used	68. 2nd Medically Reported Cause of Death  69. 3rd Medically Reported Cause of Death  Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to	00	(1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given  73. Arterial Blood Gases (ABG) - HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported
(99) Unknown  70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown  74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if helt used	<ul><li>(96) Mode of death given but specific injuries are not linked to cause of death. (specify):</li><li>(97) Other result (includes fatal ruled</li></ul>		(96) ABGs reported , HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured
70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown  74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if helt used	(99) Haknowa	:	BEET GOE BETEINMATION
	70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown	00	(0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify):



Administration

U.S. Department of Transportation National Highway Traffic Safety

OCCUPANT INJURY FORM

BEST AVAILABLE Form Approved
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

09

3. Vehicle Number

61

2. Case Number - Stratum

<u>003K</u>

4. Occupant Number

04

### **INJURY DATA**

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

		A.I.S 90								Injury		Occupant
	Source of Injury Data	Body Region	Type of Anatomic Structure		Level of Injury	A.I.S. Severity	Aspect	:	Injury Source	Source Confidence Level	Direct/ Indirect Injury	
		n	o cor	look	Wer	yer	ies	j		er jakkeja er er. Sake		
1st	5. <u> </u>	3 14 1				<i>O</i> 10				13	14	15.
2nd	16 1	17	18	19.	20.	21	22	23.	Sykins ( ) ser	_ 24	25	26
3rd	27 2	28	29	30	31	32	33	34.		_ 35	36	37
4th	38 \$	39	40	41	42	43	44	45.		46	47	48
5th	49 !	50	51	52	53	54	55	56.		_ 57	58	59
6th	60	61	62	63	64	65	66	67.	<del></del>	_ 68	69	70
	a m william								•			
7th	71. <u> </u>	72	73	74	75	76	77	78.		79	80	81
8th	92	0.3	94	85	.06	87	00	90		90	6.	.09
Otti						•/·	66. ·	03.	<del></del>	_ 90	91	92
9th	93.	94.	95.	96	97.	98	99	100.		_ 101	102	103
10th	104 1	05	106	107	108	109	110	111.		_112	113	114
					erik i menjera eta eta mengegari. Menjerak ili gerak ili mengelak. Menjerak							

	OCCUPANT INJURY DATA										
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
11th											
12th											
13th									_		
14th			_				<u></u>				
15th 16th	— —	<u>-</u>	_				_		— —	— —	
17th	<del></del>	<del>-</del>					—		_	<u></u>	
18th									<del>-</del>	-	
19th											
20th 21st							<del>-</del>		<u>-</u> -	——————————————————————————————————————	
<b>22</b> nd							<u> </u>		<u></u>		
23rd									<del></del>		
24th 25th							_		<del></del>		



DIRECT/INDIRECT INJURY

### OCCUPANT INJURY CLASSIFICATION Aspect Level of Injury Specific Anatomic **Body Region** Structure Specific injuries are (1)Right Head (1)assigned consecutive (2)Left Face (2)Bilateral (3) two-digit numbers Neck Vessels, Nerves, Organs. (3)beginning with 02. (4)Central Bones, Joints are assigned **Thorax** (4)(5) Anterior consecutive two digit Abdomen (5)(6)**Posterior** To the extent possible, numbers beginning with Spine (6)within the organizational (7)Superior 02. Upper Extremity (7)framework of the AIS, 00 (8) Inferior **Lower Extremity** (8) Unknown is assigned to an injury (9) The exceptions to this rule Unspecified (9) NFS as to severity or (O) Whole region apply to: where only one injury is Whole Area given in the dictionary for Type of Anatomic that anatomic structure. (02) Skin - Abrasion Structure 99 is assigned to any (04) Skin - Contusion injury NFS as to lesion or (06) Skin - Laceration Whole Area severity. (08) Skin - Avulsion Vessels (2)(10) Amputation (3) Nerves **Abbreviated Injury Scale** (20) Burn Organs (includes (4)Muscles/ligaments) (30) Crush (40) Degloving (1)Minor Injury Skeletal (includes (5) (50) Injury - NFS (2) Moderate Injury joints) Serious Injury (6) Head - LOC (90) Trauma, other than (3)Severe Injury (4)mechanical (9) Skin Critical Injury (5) Head - LOC (6) Maximum (untreatable) (02) Length of LOC Injured, unknown (7)(04) Level severity (06) of (08) Consciousness

(10) Concussion

(02) Cervical (04) Thoracic (06) Lumbar

<u>Spine</u>

COURCE OF IN HIRV DATA

SOURCE OF INJURY DATA	INJUNT SOUNCE	DIRECT/INDIRECT INJURT
	CONFIDENCE LEVEL	
OFFICIAL RECORDS  (1) Autopsy records with or without hospital/medical records  (2) Hospital/medical records other than emergency room (e.g., discharge summary)  (3) Emergency room records only (including associated X-rays or other lab reports)  (4) Private physician, walk-in or emergency clinic	(1) Certain (2) Probable (3) Possible (9) Unknown	(1) Direct contact injury (2) Indirect contact injury (3) Noncontact injury (7) Injured, unknown source
UNOFFICIAL RECORDS  (5) Lay coroner report  (6) E.M.S. personnel  (7) Interviewee  (8) Other source (specify):		

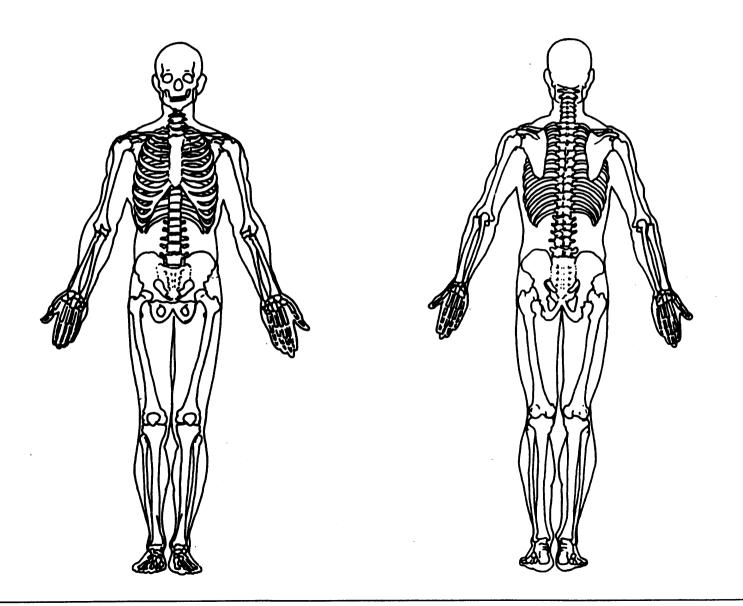
INJURY SOURCE

				SOUR			
FRONT		(102)	Right side hardware or	(183)	Air bag-passenger side and	(411)	Wall mounted head rest
(001)	Windshield		armrest		object held		(used behind wheel chair)
002)	Mirror	(103)	Right A (A1/A2)-pillar	(184)	Air bag-passenger side and	(412)	Other adaptive device
	Sunvisor		Right B-pillar		object in mouth		(specify):
	Steering wheel rim	(105)	Other right pillar (specify):	(185)	Air bag compartment		
	Steering wheel hub/spoke				cover-passenger side		
006)	Steering wheel (combination	(106)	Right side window glass	(186)	Air bag compartment	EXTER	IOR of OCCUPANT'S
	of codes 004 and 005)	(107)	Right side window frame		cover-passenger side and	VEHIC	LE
007)	Steering column,	(108)	Right side window sill		eyewear	(451)	
	transmission selector lever,	(109)	Right side window glass	(187)	Air bag compartment	(452)	Outside hardware (e.g.,
	other attachment		including one or more of the		cover-passenger side and		outside mirror, antenna)
008)	Cellular telephone or CB		following: frame, window		jewelry	(453)	Other exterior surface or
	radio		sill, A (A1/A2)-pillar, B-pillar,	(188)	Air bag compartment		tires (specify):
009)	Add on equipment (e.g.,		or roof side rail.		cover-passenger side and		
	tape deck, air conditioner)	(110)	Other right side object		object held		
010)	Left instrument panel and		(specify):	(189)	Air bag compartment	(454)	Unknown exterior objects
	below				cover-passenger side and	EVTER	
U I 1)	Center instrument panel and	1614	IOB	14000	Other air has (conside)		NOR OF OTHER MOTOR
0101	below	INTER		(190)	Other air bag (specify)	VEHIC	
012)	Right instrument panel and		Seat, back support	/105	Other six has a		Front bumper
0121	below Glave compartment door		Belt restraint Webbing/buckle	(195)	Other air bag compartment		Hood edge
	Glove compartment door	(153)	Belt restraint B-pillar or door		cover (specify)	(503)	Other front of vehicle
	Knee bolster	14 F 41	frame attachment point				(specify):
U 1 5}	Windshield including one or	(154)	Other restraint system	ROOF		/E 0 41	lland.
	more of the following: front		component (specify):		Front hands	(504)	
	header, A (A1/A2)-pillar,	/1EE\	Mond restraint system		Front header Rear header		Hood ornament
	instrument panel, mirror, or		Head restraint system		Roof left side rail		Windshield, roof rail, A-pilla
	steering assembly (driver side only)	(100)	Other occupants (specify):				Side surface
0161	Windshield including one or	/161\	Interior loose objects		Roof right side rail Roof or convertible top	(508)	
010,	more of the following: front		Child safety seat (specify):	(205)	Hoor or convertible top	(509)	Other side protrusions
	header, A (A1/A2)-pillar,	(102)	Cililo safety seat (specify).	FLOOF			(specify):
	instrument panel, or mirror	(163)	Other interior object			/E10\	Page 20 Marie 20
	(passenger side only)	(103)	(specify):		Floor (including toe pan) Floor or console mounted		Rear surface
0171	Windshield reinforced by		(Specify).	(232)			Undercarriage
0.,,	exterior object (specify)				transmission lever, including console		Tires and wheels
	exterior object (specify)	AIR B	A.G.	12521	Parking brake handle	(513)	Other exterior of other moto
				1233/	raiking blake handle		vehicle (specify):
019)	Other front object (specify):	(170)	Air hag-driver eide		East controls including		
019)	Other front object (specify):		Air bag-driver side		Foot controls including	(E1A)	Habania at at
019)	Other front object (specify):		Air bag-driver side and		Foot controls including parking brake	(514)	Unknown exterior of other
		(171)	Air bag-driver side and eyewear	(254)	_	(514)	Unknown exterior of other motor vehicle
EFT S	SIDE	(171)	Air bag-driver side and eyewear Air bag-driver side and	(254) REAR	parking brake		motor vehicle
EFT S	SIDE Left side interior surface,	(171) (172)	Air bag-driver side and eyewear Air bag-driver side and jewelry	(254) REAR (301)	parking brake  Backlight (rear window)	OTHE	motor vehicle R VEHICLE OR OBJECT IN
EFT S	SIDE Left side interior surface, excluding hardware or	(171) (172)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object	(254) REAR (301)	parking brake  Backlight (rear window)  Backlight storage rack,	OTHEI	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT
LEFT S (051)	SIDE Left side interior surface, excluding hardware or armrests	(171) (172) (173)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held	(254) REAR (301) (302)	Backlight (rear window) Backlight storage rack, door, etc.	OTHEI THE E (551)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground
LEFT S (051)	SIDE Left side interior surface, excluding hardware or armrests Left side hardware or	(171) (172) (173)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object	(254) REAR (301) (302)	parking brake  Backlight (rear window)  Backlight storage rack,	OTHEI THE E (551)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object
LEFT S (051) (052)	SIDE Left side interior surface, excluding hardware or armrests Left side hardware or armrest	(171) (172) (173) (174)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth	(254) REAR (301) (302)	Backlight (rear window) Backlight storage rack, door, etc.	OTHEI THE E (551)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground
LEFT S 051) 052) 053)	SIDE  Left side interior surface, excluding hardware or armrests  Left side hardware or armrest  Left A (A1/A2)-pillar	(171) (172) (173) (174)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment	(254)  REAR (301) (302) (303)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):	OTHEI THE E (551) (598)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):
LEFT S 051) 052) 053) 054)	SIDE  Left side interior surface, excluding hardware or armrests  Left side hardware or armrest  Left A (A1/A2)-pillar  Left B-pillar	(171) (172) (173) (174) (175)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side	(254)  REAR (301) (302) (303)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):	OTHEI THE E (551) (598)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object
.EFT S 051) 052) 053) 054)	SIDE  Left side interior surface, excluding hardware or armrests  Left side hardware or armrest  Left A (A1/A2)-pillar	(171) (172) (173) (174) (175)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment	(254)  REAR (301) (302) (303)  ADAP EQUIP	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING	OTHEI THE E (551) (598)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):  Unknown vehicle or object
DEFT S 051) 052) 053) 054) 055)	SIDE  Left side interior surface, excluding hardware or armrests  Left side hardware or armrest  Left A (A1/A2)-pillar  Left B-pillar  Other left pillar (specify):	(171) (172) (173) (174) (175)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and	(254)  REAR (301) (302) (303)  ADAP EQUIP	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for	OTHEI THE E (551) (598) (599)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):  Unknown vehicle or object
O52) O53) O54) O55)	SIDE  Left side interior surface, excluding hardware or armrests  Left side hardware or armrest  Left A (A1/A2)-pillar  Left B-pillar  Other left pillar (specify):	(171) (172) (173) (174) (175) (176)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear	(254)  REAR (301) (302) (303)  ADAP EQUIP (401)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration	OTHE( THE E (551) (598) (599) NONC (601)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):  Unknown vehicle or object  CONTACT INJURY  Fire in vehicle
.EFT S 051) 052) 053) 054) 055) 056)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window frame	(171) (172) (173) (174) (175) (176)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment	(254)  REAR (301) (302) (303)  ADAP EQUIP (401)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices	OTHEI THE E (551) (598) (599) NONC (601) (602)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass
O52) O53) O54) O55) O56) O57)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window frame Left side window sill	(171) (172) (173) (174) (175) (176)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry	(254)  REAR (301) (302) (303)  ADAP EQUIP (401)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering	OTHEI THE E (551) (598) (599) NONC (601) (602)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury
.EFT S 051) 052) 053) 054) 055) 056) 056) 057)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window sill Left side window glass	(171) (172) (173) (174) (175) (176)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel)	OTHEI THE E (551) (598) (599) NONC (601) (602)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source
.EFT S 051) 052) 053) 054) 055) 056) 056) 057)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window sill Left side window glass including one or more of the	(171) (172) (173) (174) (175) (176)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source  (specify):
.EFT S 051) 052) 053) 054) 055) 056) 056) 057)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window sill Left side window glass including one or more of the following: frame, window	(171) (172) (173) (174) (175) (176) (177) (178)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source  (specify):  Air bag exhaust gases
O52) O53) O54) O55) O56) O57)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window sill Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar,	(171) (172) (173) (174) (175) (176) (177) (178)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held Air bag compartment	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel Replacement steering wheel	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source  (specify):
CEFT S (051) (052) (053) (054) (055) (056) (057) (058) (059)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window sill Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.	(171) (172) (173) (174) (175) (176) (177) (178)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held Air bag compartment cover-driver side and object	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402) (403)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel Replacement steering wheel (i.e., reduced diameter)	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source (specify):  Air bag exhaust gases
CEFT S (051) (052) (053) (054) (055) (056) (057) (058) (059)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window frame Left side window sill Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail. Other left side object	(171) (172) (173) (174) (175) (176) (177) (178)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held Air bag compartment cover-driver side and object in mouth	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402) (403) (405)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel Replacement steering wheel (i.e., reduced diameter) Joy stick steering controls	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source (specify):  Air bag exhaust gases
CEFT S (051) (052) (053) (054) (055) (056) (057) (058) (059)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window sill Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.	(171) (172) (173) (174) (175) (176) (177) (178) (179)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held Air bag compartment cover-driver side and object in mouth Air bag-passenger side	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402) (403) (405) (406) (407)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel Replacement steering wheel (i.e., reduced diameter) Joy stick steering controls Wheelchair tie-downs	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object  (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source  (specify):  Air bag exhaust gases
(051) (052) (053) (054) (055) (056) (057) (058) (059)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify): Left side window glass Left side window frame Left side window sill Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail. Other left side object	(171) (172) (173) (174) (175) (176) (177) (178) (179)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held Air bag compartment cover-driver side and object in mouth Air bag-passenger side Air bag-passenger side Air bag-passenger side and	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402) (403) (405) (406) (407)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel Replacement steering wheel (i.e., reduced diameter) Joy stick steering controls Wheelchair tie-downs Modification to seat belts,	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source (specify):  Air bag exhaust gases
(051) (052) (053) (054) (055) (056) (057) (058) (059)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify):  Left side window glass Left side window frame Left side window sill Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, or roof side rail. Other left side object (specify):	(171) (172) (173) (174) (175) (176) (177) (178) (179) (180) (181)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held Air bag compartment cover-driver side and object in mouth Air bag-passenger side and eyewear	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402) (403) (405) (406) (407) (408)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel Replacement steering wheel (i.e., reduced diameter) Joy stick steering controls Wheelchair tie-downs Modification to seat belts, (specify):	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source (specify):  Air bag exhaust gases
(051) (052) (053) (054) (055) (056) (057) (058) (059)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify):  Left side window glass Left side window frame Left side window sill Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, or roof side rail. Other left side object (specify):	(171) (172) (173) (174) (175) (176) (177) (178) (179) (180) (181)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held Air bag compartment cover-driver side and object in mouth Air bag-passenger side and eyewear Air bag-passenger side and	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402) (403) (405) (406) (407) (408)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel Replacement steering wheel (i.e., reduced diameter) Joy stick steering controls Wheelchair tie-downs Modification to seat belts, (specify): Additional or relocated	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source (specify):  Air bag exhaust gases
(051) (052) (053) (054) (055) (056) (057) (058) (059)	Left side interior surface, excluding hardware or armrests Left side hardware or armrest Left A (A1/A2)-pillar Left B-pillar Other left pillar (specify):  Left side window glass Left side window frame Left side window sill Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, or roof side rail. Other left side object (specify):	(171) (172) (173) (174) (175) (176) (177) (178) (179) (180) (181)	Air bag-driver side and eyewear Air bag-driver side and jewelry Air bag-driver side and object held Air bag-driver side and object in mouth Air bag compartment cover-driver side Air bag compartment cover-driver side and eyewear Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and jewelry Air bag compartment cover-driver side and object held Air bag compartment cover-driver side and object in mouth Air bag-passenger side and eyewear	(254)  REAR (301) (302) (303)  ADAP EQUIP (401) (402) (403) (405) (406) (407) (408)	Backlight (rear window) Backlight storage rack, door, etc. Other rear object (specify):  TIVE (ASSISTIVE) DRIVING MENT Hand controls for braking/acceleration Steering control devices (attached to OEM steering wheel) Steering knob attached to steering wheel Replacement steering wheel (i.e., reduced diameter) Joy stick steering controls Wheelchair tie-downs Modification to seat belts, (specify):	OTHEI THE E (551) (598) (599) NONC (601) (602) (603)	motor vehicle  R VEHICLE OR OBJECT IN  NVIRONMENT  Ground  Other vehicle or object (specify):  Unknown vehicle or object  ONTACT INJURY  Fire in vehicle  Flying glass  Other noncontact injury  source (specify):  Air bag exhaust gases

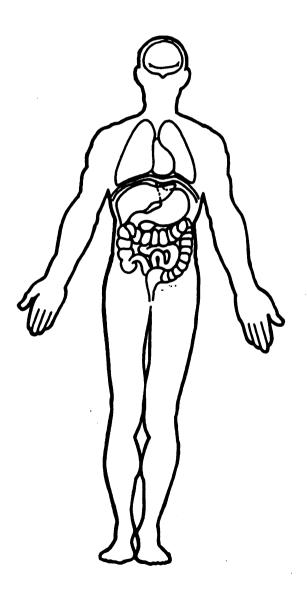
Page

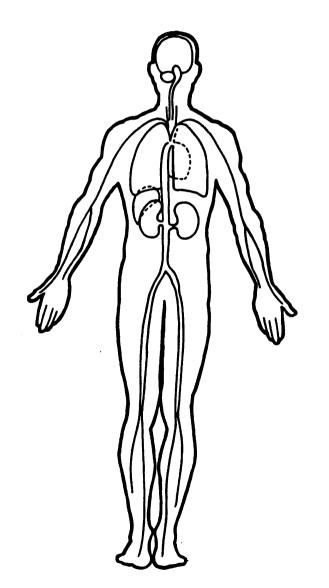
# OFFICIAL INJURY DATA — SKELETAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





# **OCCUPANT ASSESSMENT FORM**

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Brimany Campling Unit Number	OCCUPANT'S SEATING
1. Primary Sampling Unit Number  2. Case Number - Stratum	10. Occupant's Seat Position 23
2. Case Number - Stratum	Front Seat
3. Vehicle Number	(11) Left side (12) Middle
4. Occupant Number	(13) Right side
OCCUPANT'S CHARACTERISTICS	(14) Other (specify):(15) On or in the lap of another occupant
	(13) On or in the lap of another occupant
5. Occupant's Age Code actual age at time of accident. (00) Less than one year old (specify by month):  (97) 97 years and older (99) Unknown	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female-not reported pregnant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) (6) Female-pregnant-term unknown (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant  Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify):
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown	(45) On or in the lap of another occupant  (97) In or on unenclosed area (98) Other seat (specify): (99) Unknown
7 / inches X 2.54 = 180 centimeters  8. Occupant's Weight Code actual weight to the nearest kilogram. (999) Unknown 160 pounds X .4536 = 173 kilograms	11. Occupant's Posture (0) Normal posture  Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with
9. Occupant's Role (1) Driver (2) Passenger (9) Unknown	another occupant or to look out a rear window (5) Sitting on a console (6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify): (9) Unknown

	EJECT	TION/EI	NTRAPMENT
12.	Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	0	15. Medium Status (Immediately Prior To Impact) (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown
13.	Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown	<u>O</u>	16. Entrapment (O) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify):
14.	Ejection Medium  (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify):  (5) Integral structure (8) Other medium (specify):  (9) Unknown	<u>O</u>	<ul> <li>(2) Removed from vehicle due to perceived serious injuries</li> <li>(3) Exited vehicle with some assistance</li> <li>(4) Exited vehicle under own power</li> <li>(5) Occupant fully ejected</li> <li>(8) Removed from vehicle for other reasons (specify):</li> <li>(9) Unknown</li> </ul>
		·	

BELT SYSTEM	M FUNCTION
18. Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unknown  Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed) (8) Other belt (specify):	22. Manual Shoulder Belt Upper Anchorage Adjustment (0) No manual shoulder belt (1) No upper anchorage adjustment for manual shoulder belt  Adjustable shoulder Belt Upper Anchorage (2) In full up position (3) In mid position (4) In full down position (5) Position unknown (9) Unknown if position has adjustable upper anchorage adjustment
(9) Unknown  19. Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify):  (02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):	23. Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown  Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown  24. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative
(12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat (specify): (99) Unknown if belt used  20. Proper Use of Manual (Active) Belts (0) None used or not available	(1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown  25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system
(1) Belt used properly (2) Belt used properly with child safety seat  Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person (6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):  (8) Other improper use of manual belt system (specify):	(9) Unknown  26. Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat  Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or
21. Manual (Active) Belt Failure Modes During Accident (0) No manual belt used or not available (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other manual belt failure (specify): (9) Unknown	automatic shoulder belt used improperly with child safety seat (specify):  (8) Other improper use of automatic belt system (specify):  (9) Unknown  27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (5) Other anchorage separated (specify):  (6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify):

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use  (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown
(9) Police indicated "unknown"  29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	<ul> <li>31. Frontal Air Bag System Deployment (This Occupant Position)</li> <li>(0) Not equipped/not available</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>
Check the Primary Source Used In Determining Belt Use.  [ () Vehicle inspection [ ] Official injury data [ ] Driver/occupant interview [ ] Other (specify): [ ] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown Specify type of "other" air bag present:
	33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
	34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown

FIRST SEAT FRONTAL AIR	BAG SYSTEM EVALUATION
<ul> <li>35. Had Vehicle Been in Previous Accident(s)? <ul> <li>(O) Not equipped/not available</li> <li>(1) No previous accidents</li> </ul> </li> <li> <ul> <li>Yes</li> <li>(2) Previous accident(s) without deployment(s)</li> <li>(3) One previous accident with deployment</li> <li>(4) More than one previous accident with at least one deployment</li> <li>(8) Previous accidents, unknown deployment status</li> <li>(9) Unknown</li> </ul> </li> </ul>	40. Longitudinal Component of + Delta V For Air Bag - O O O Deployment Impact (_000) Not equipped/not available
36. Type of Air Bag (O) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (O) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed
37. Had Any Prior Maintenance/Service Been Performed On This Air Bag System?  (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify):  (9) Unknown  38. Air Bag Deployment Accident Event Sequence Number	(9) Unknown  42. Were Air Bag Module Cover Flap(s) Damaged?  (0) Not equipped/not available  (1) No  (2) Yes (specify):  (3) Deployed, unknown if air bag module cover flap(s) damaged  (7) Not deployed  (8) Unknown if deployed  (9) Unknown
(OO) Not equipped/not available  Code the accident event sequence number that initiated the air bag deployment  (96) Deployed, unknown event  (97) Not deployed  (98) Unknown if deployed  (99) Unknown	43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged  Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn
39. CDC For Air Bag Deployment Impact (O) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify):  (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(05) Holed (06) Burned (07) Abraded (88) Other damage (specify):  (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

	FIRST SEAT FRONTAL AIR BAG SYSTEM	HEAD RESTRAINT AND SEAT EVALUATION
<b>45</b> .	Source of Air Bag Damage (00) Not equipped/not available (01) Not damaged (02) Object worn by occupant, (specify): (03) Object carried by occupant, (specify): (04) Adaptive/assistive controls, (specify): (05) Fire in vehicle (06) Thermal burns (07) Rescue or emergency efforts (88) Other damage source (specify): (95) Damaged, unknown source (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown  Was The Air Bag Tethered? (0) Not equipped/not available (1) No (2) Yes (specify number of tether straps): (3) Deployed, unknown if deployed (9) Unknown  Did The Air Bag Have Vent Ports? (0) Not equipped/not available (1) No (2) Yes (specify number of vent ports): (3) Deployed, unknown if vent ports present (7) Not deployed (8) Unknown  Did The Air Bag in this Occupant's Position Contacted by Another Occupant? (0) Not equipped/not available (1) No (2) Yes (specify): (3) Deployed, unknown if other occupant contact to air bag (7) Not deployed (8) Unknown if deployed (9) Unknown  Was This Occupant Wearing Eye-wear? (0) Not air bag equipped/air bag not available (1) No (2) Eyeglasses/sunglasses (3) Contact lenses	49. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify): (9) Unknown  50. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Box mounted seat (i.e., van type) (10) Other seat type (specify): (99) Unknown  51. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat (2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (inward) (8) Other (specify): (9) Unknown  52. Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat (1) Non-adjustable seat track  Adjustable Seat Track (2) Seat at forward most track position (3) Seat between forward most and middle track positions (4) Seat at middle track position (5) Seat between middle and rear most track positions (6) Seat at rear most track position (9) Unknown
	<ul> <li>(4) Deployed, unknown if eyewear worn</li> <li>(7) Not deployed</li> <li>(8) Unknown if deployed</li> <li>(9) Unknown</li> </ul>	·

# HEAD RESTRAINT AND SEAT EVALUATION continued

- 53. Seat Back Incline Prior and Post Impact
- 01
- (00) Occupant not seated or no seat
- (01) Not adjustable

# Upright prior to impact

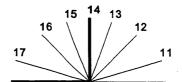
- (11) Moved to completely rearward position
- (12) Moved to rearward midrange position
- (13) Moved to slightly rearward position
- (14) Retained pre-impact position
- (15) Moved to slightly forward position
- (16) Moved to forward midrange position
- (17) Moved to completely forward position

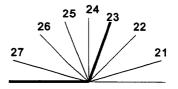
# Slightly reclined prior to impact

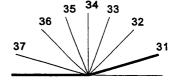
- (21) Moved to completely rearward position
- (22) Moved to rearward midrange position
- (23) Retained pre-impact position
- (24) Moved to upright position
- (25) Moved to slightly forward position
- (26) Moved to forward midrange position
- (27) Moved to completely forward position

# Completely reclined prior to impact

- (31) Retained pre-impact position
- (32) Moved to rearward midrange position
- (33) Moved to slightly rearward position
- (34) Moved to upright position
- (35) Moved to slightly forward position
- (36) Moved to forward midrange position
- (37) Moved to completely forward position
- (99) Unknown
- 54. Seat Performance (this Occupant Position)
  - (0) Occupant not seated or no seat
  - (1) No seat performance failure(s)
  - (2) Seat adjusters failed
  - (3) Seat back folding locks or "seat back" failed (specify):
  - (4) Seat track/anchors failed
  - (5) Deformed by impact of occupant
  - (6) Deformed by passenger compartment intrusion, (specify):
  - (7) Combination of above (specify):
  - (8) Other (specify):
  - (9) Unknown







	CHILD SAF	FETY SEAT
55.	Child Safety Seat Make/Model (000) No child safety seat	58. Child Safety Seat Harness Usage 60
	Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat	59. Child Safety Seat Shield Usage
	(997) Other make/model (specify):  (998) Unknown make/model	60. Child Safety Seat Tether Usage
	(999) Unknown if child safety seat used	Note: Options below applicable to Variables OA58-OA60. (OO) No child safety seat
	Type of Child Safety Seat  (0) No child safety seat  (1) Infant seat  (2) Toddler seat  (3) Convertible seat  (4) Booster seat - with shield  (5) Booster seat - without shield  (7) Other type child safety seat (specify):  (8) Unknown child safety seat type  (9) Unknown if child safety seat used  Child Safety Seat Orientation  (00) No child safety seat  Designed for Rear Facing for This Age/Weight  (01) Rear facing  (02) Forward facing  (08) Other orientation  Designed For Forward Facing for This Age/Weight  (11) Rear facing  (12) Forward facing  (13) Other orientation (specify):  (19) Unknown orientation  Unknown Design or Orientation For This Age/Weight  (21) Rear facing  (22) Forward facing  (23) Other orientation (specify):  (29) Unknown orientation  (99) Unknown if child safety seat used	Not Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used (02) After market harness/shield/tether used (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used  Designed With Harness/Shield/Tether (11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used  Unknown If Designed With Harness/Shield/Tether (21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used

INJURY CONSEQUENCES	
(0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown  62. Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):   Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify):  (8) Transported to a medical facility-unknown if treated (9) Unknown	63. Type Of Medical Facility (for Initial Treatment)  (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):  (9) Unknown  64. Hospital Stay (00) Not Hospitalized  Code the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown  65. Working Days Lost  Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown
STOP WO	ORK HERE

**VARIABLES 66-74** 

TO BE CODED BY THE ZONE CENTER

# TO BE CODED BY THE ZONE CENTER

INJURY CONSEQUENCES	TRAUMA DATA
Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60)  (OO) Not fatal  (96) Fatal - ruled disease  (99) Unknown	71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
68. 2nd Medically Reported Cause of Death	72. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given
69. 3rd Medically Reported Cause of Death  Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (00) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (specify):  (97) Other result (includes fatal ruled	73. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported, HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured
disease) (specify):	BELT USE DETERMINATION
(99) Unknown  70. Number of Recorded Injuries for This Occupant  Code the actual number of injuries recorded for this occupant.  (00) No recorded injuries  (97) Injured, details unknown  (99) Unknown if injured	74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used

PSU NUMBER

CASE NUMBER

VEHICLE NUMBER

OCCUPANT NUMBER

05

# OCCUPANT INJURY FORM

THE FOLLOWING DATA IS NOT INCLUDED IN THIS CASE:

- M ENTIRE FORM
- [] PAGE NUMBER (S)

Natio	onal Accident Sampling System-Crashworthiness Da	ita Sy	ystem: General Vehicle Form $\sqrt{-02}$	Page 2
	PRECRASH ENVIRONMENTAL DATA	25.	Roadway Surface Condition	7
<b>ૂ</b> 19.	Relation To Interchange Or Junction (0) Non-interchange area and non-junction (1) Interchange area related		<ul><li>(1) Dry</li><li>(2) Wet</li><li>(3) Snow or slush</li><li>(4) Ice</li></ul>	
	Non-Interchange junctions (2) Intersection related		(5) Sand, dirt, or oil (8) Other (specify): (9) Unknown	
	<ul><li>(3) Driveway, alley access related</li><li>(4) Other junction (specify)</li></ul>			2
	(5) Unknown type of junction	26.	Light Conditions (1) Daylight	
	(9) Unknown		(2) Dark (3) Dark, but lighted (4) Dawn	
20.	Trafficway Flow		(5) Dusk (9) Unknown	
	(0) Not physically divided (two way traffic) (1) Divided trafficway-median strip without			0
	positive barrier (2) Divided trafficway-median strip with positive barrier	27.	Atmospheric Conditions     (0) No adverse atmospheric-related driving conditions	-
	(3) One way traffic (9) Unknown		(1) Rain (2) Sleet/hail	
	2		(3) Snow (4) Fog	
21.	Number Of Travel Lanes (1) One		(5) Rain and fog (6) Sleet and fog	
	(2) Two (3) Three (4) Four		(7) Other (e.g., smog, smoke, blowing sand dust, etc.) (specify):	or
	(5) Five (6) Six		(9) Unknown	•
	(7) Seven or more (9) Unknown	28	. Traffic Control Device	0
	· · · · · · · · · · · · · · · · · · ·		<ul><li>(0) No traffic control(s)</li><li>(1) Traffic control signal (not RR crossing)</li></ul>	
22.	Roadway Alignment (1) Straight		Regulatory	
	(2) Curve right		(2) Stop sign	
	(3) Curve left (9) Unknown		(3) Yield sign (4) School zone sign	
	1		(5) Other regulatory sign (specify):	
23.	Roadway Profile		(6) Warning sign (not RR crossing)	
	(2) Uphill grade (>2%)		(7) Unknown sign (8) Miscellaneous/other controls including R	D
	(3) Hill crest (4) Downhill grade (>2%)		controls (specify):	11
	(4) Downinii grade (>2%) (5) Sag (9) Unknown	į	(9) Unknown	
	(a) Olikilowii			
24.	Roadway Surface Type	29	. Traffic Control Device Functioning	<u>0</u>
	(1) Concrete (2) Bituminous (asphalt)		(0) No traffic control device (1) Traffic control device not functioning	
	(3) Brick or block		(specify):	
	(4) Slag, gravel, or stone (5) Dirt		(2) Traffic control device functioning proper	ly
	(8) Other (specify):		(9) Unknown	

	OCCUPANT RELATED	44. \	Vehicle Cargo Weight
37. ″	Driver Presence in Vehicle (0) Driver not present (1) Driver present (9) Unknown	(	Code weight to nearest 10 kilograms. (000) Less than 5 kilograms (454) 4,536 kilograms or more (999) Unknown    1
38.	Number of Occupants This Vehicle (00-96) Code actual number of occupants for this vehicle (97) 97 or more (99) Unknown		Source: Inspection ROLLOVER DATA Rollover
39.	Number of Occupant Forms Submitted	(	(00) No rollover (no overturning)
	Is this an AOPS Vehicle? (0) No (includes unknown) (1) Yes - researcher determined (2) VIN determined air bag system (3) VIN determined automatic (passive) belts (4) VIN determined air bag and automatic (passive) belts	(01 46. I	Rollover (primarily about the longitudinal axis) 1-16) Code the number of quarter turns (17) Rollover, 17 or more quarter turns (specify): (98) Rolloverend-over-end (i.e., primarily about the lateral axis) (99) Rollover (overturn), details unknown Rollover Initiation Type (00) No rollover
41.	Air Bag(s) Deployment, First Seat Frontal (0) Not equipped or not available (1) No air bags deployed  Single Air Bag Vehicle (2) Driver air bag deployed (3) Driver air bag, unknown if deployed		(01) Trip-over (02) Flip-over (03) Turn-over (04) Climb-over (05) Fall-over (06) Bounce-over (07) Collision with another vehicle
42.	Multiple Air Bag Vehicle  (4) Driver side only deployed  (5) Passenger side only deployed  (6) Driver and passenger side deployed  (7) Driver and passenger side unknown if deployed  (8) Air bag(s) deployed, details unknown  (9) Unknown  Air Bag(s) Deployment, Other Than First Seat Frontal  (0) Not equipped with an "other" air bag  (1) Deployed during accident (as a result of	47. [	(98) Other rollover initiation type specify):  (98) Rolloverend-over-end (99) Unknown rollover initiation type  Location of Rollover Initiation (0) No rollover (1) On roadway (2) On shoulder—paved (3) On shoulder—unpaved (4) On roadside or divided trafficway median (8) Rolloverend-over-end (9) Unknown
	impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown  Specify type of "other" air bag present:	49. !	Rollover Initiation Object Contacted (Note: Applicable codes on back of page)  Location on Vehicle Where Initial Principal Tripping Force Is Applied (0) No rollover (1) Wheels/tires (2) Side plane (3) End plane (4) Undercarriage (5) Other location on vehicle (specify):
			(6) Non-contact rollover forces (specify):
43	Code weight to nearest 10 kilograms. (045) Less than 454 kilograms (612) 6,124 kilograms or more (999) Unknown 1,56 / lbs X .4536 = /,7 5 / kgs	50.	(8) Rolloverend-over-end (9) Unknown  Direction of Initial Roll (0) No rollover (1) Roll right - primarily about the longitudinal axis (2) Roll left - primarily about the longitudinal axis (8) Rolloverend-over-end (9) Unknown roll direction
	Source:		

PSU, 09-003 K

# CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover (57) Fence (01-30) — Vehicle Number (58) Wall (59) Building (60) Ditch or culvert Noncollision (61) Ground (31) Turn-over — fall-over (32) No rollover impact initiation (end-over-end) (62) Fire hydrant (63) Curb (34) Jackknife (64) Bridge Collision With Fixed Object (68) Other fixed object (specify): (41) Tree (≤ 10 cm in diameter) (42) Tree (> 10 cm in diameter) (43) Shrubbery or bush (69) Unknown fixed object (44) Embankment Collision with Nonfixed Object (70) Passenger car, light truck, van, or other (45) Breakaway pole or post (any diameter) vehicle not in-transport (71) Medium/heavy truck or bus not in-transport Nonbreakaway Pole or Post (76) Animal (77) Train (78) Trailer, disconnected in transport (50) Pole or post (≤ 10 cm in diameter) (51) Pole or post (> 10 cm but ≤ 30 cm in (79) Object fell from vehicle in-transport diameter) (52) Pole or post (> 30 cm in diameter) (88) Other nonfixed object (specify): (53) Pole or post (diameter unknown) (89) Unknown nonfixed object (54) Concrete traffic barrier (55) Impact attenuator (98) Other event (specify): (56) Other traffic barrier (includes guardrail) (99) Unknown event or object (specify):

# **EXTERIOR VEHICLE FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Prima	ry Sampling Unit Νι	umber	0	9 3	3. Vehic	le Numb	er				22
2. Case	Number - Stratum		<u> </u>	K							
			VEHICLE	IDENT	IFICAT	ION					
/	ETFF	2	- 4 D	1/							C. 1
	<u>FTEF</u>		7 15					_	Model	Year	5/
Vehicle Ma	ake (specify):	-01d		<del></del>	Vehicle	e Model	(specify)	): <i>[</i>	- 25	500	uston
			L	OCATO	OR						
Locate the impacts o	e end of the damag r an undamaged axl	je with resp le for side ir	ect to the npacts.	vehicle's	damag	ed cent	er point	or bum	per cor	ner for	end
Specific Impa	act No. Location	of Direct Dama	age		Locatio	n of Field	L			of Max C	rush
01 byen forward of R/R				158cm				Ŕ	C	7	
	axle bu	ek nords		axh	back	uard.	5				
NOTES, I	1 -Alfrida - Alama - A		SH PROF					-			
NOTES: I	dentify the plane at ill, etc.) and label a	which the djustments	C-measurer (e.g., free :	ments ar space).	e taken	(e.g., at	t bumpe	er, above	e bumpe	er, at sil	l, above
(1 <sup>9</sup> N	Measure C1 to C6 fi	rom driver t	o passenge	r side in	front or	rear im	pacts a	nd rear 1	to front	in side	
F	ree space value is o	defined as t	he distance	betwee	n the ba	aseline a	nd the	original	hadv ca	ntour t	eken at
t	he individual C loca ide taper, etc. Rec	tions. This	may includ	le the fol	llowina:	bumper	r lead, b	umper t	aper, si	de protr	usion,
Specific	Jse as many lines/co	Direct Direct		describ	e each	damage T	profile.	Γ	<u> </u>	T	T
Impact Number	Plane of Impact C-Measurements	Width (CDC)	Max Crush	Field L	C <sub>1</sub>	C <sub>2</sub>	C₃	C₄	C₅	C <sub>6</sub>	±D
01	Mid-Door	242	CY	251	11	20	6	16	4	3	-158
Stre	b Pulled out ext	-5 cm			-5	-5	-5-	-5-	-5-	-5-	
	Français O				0	0	0	0	0	0	
01	Final	242	CY	25/	6	15	/	11	0	0	-158
							ut.				
			!								
i											

# ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	<u> [32.<b>6</b></u>	inches	x 2.54	=	<u>338</u> cm
Overall Length	2083	inches	x 2.54	=	<u>529</u> cm
Maximum Width	_72.2	inches	x 2.54	=	_ <u>  96</u> cm
Curb Weight	_ 3,861	pounds	x .4536	=	<u>1,75/</u> kg
Average Track		inches	x 2.54	_	cm
Front Overhang		inches	x 2.54	=	cm
Rear Overhang		inches	x 2.54	=	cm
Undeformed End Width	<u></u>	inches	x 2.54	=	cm
Engine Size: cyl./displ.	<del></del>	cc	x .001	=	<u>49</u> L
	<del></del>	CID	x .0164	=	L

# VEHICLE DAMAGE SKETCH **ORIGINAL SPECIFICATIONS** TIRE-WHEEL DAMAGE WHEEL STEER ANGLES (For locked front wheels or a. Rotation physically b. Tire restricted deflated Wheelbase cm displaced rear axles only) RF ± Overall Length cm LF ± Maximum Width cm RR ± LR ± **Curb Weight** kg Within ± 5 degrees Average Track cm (1) Yes (2) No (8) NA (9) Unk. **DRIVE WHEELS** Front Overhang cm □ FWD 🗹 RWD 🗆 4WD TYPE OF TRANSMISSION Rear Overhang cm ☐ Manual □ Automatic Undeformed End Width cm Approximate 3015 END SHIFT ≥ 10 CM Engine Size: cyl./displ. □ Yes □ No MEASUREMENTS IN CENTIMETERS /4 → Original **Bumper height** Note: Left side + front grill dange is from a previous accident and not related & this case. **POST-CRASH** Bumper corner **Bumper corner** Stringline Stringline POST-CRASH Bumper corner Bumper comer Stringline Stringline NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

received on the back of this page.

			CDC	WORKSHE	ET			ı age
	<u></u>	(	CODES FOR	OBJECT CON	ITACTED			
(01-30)	- Vehicle Nu	ımber			7) Fence			
					B) Wall			
Noncoll					9) Buildir			
(31)	Overturn - r	ollover (excludes	end-over-ei	nd) (6	Ditch	or culvert		
	Rollover-end			(6	1) Groun	d		
(33)	Fire or explos	sion		(6.	2) Fire hy	ydrant		
(34)	Jackknife				3) Curb			
(35)	Other intraun	it damage (speci	fy):	(6	4) Bridge			
				(6	B) Other	fixed object (	specify):	
	Noncollision i Other noncoll	njury lision (specify):		(6:	9) Unkno	wn fixed obje	ect	
(39)	Noncollision -	– details unknov	vn	Collis	ion with	Nonfixed Obje	ect	
				(7)	D) Passer	nger car, light	truck, van,	or other
Collision	With Fixed C	Object			vehicle	e not in-transp	ort	
		n in diameter)		(7	1) Mediu	m/heavy truci	c or bus not	in-transport
		m in diameter)		-	<ol><li>Pedest</li></ol>			
	Shrubbery or	bush		(7:	3) Cyclist	t or cycle		
(44)	Embankment			(74	4) Other	nonmotorist o	or conveyand	ce
(45)	Breakaway po	ole or post (any o	diameter)			e occupant		<del></del>
Manhara	diament Balana	D			3) Anima	l		
Nonbrea	kaway Pole o	r POST			7) Train			
		≤ 10 cm in diam		(7)	3) Trailer	, disconnecte	d in transpo	rt
(51)		> 10 cm but ≤	30 cm in	(7)	D) Object	fell from veh	icle in-trans	port
/F2\	diameter)	> 20 am in dian		(8)	3) Other	nonfixed obje	ct (specify):	
		> 30 cm in dian diameter unknov		(8	9) Unkno	wn nonfixed	object	<del></del>
	Concrete traf			(98	3) Other	event (specify	<i>(</i> ):	
		iator parrier (includes :	guardrail)	(9:	) Unkno	wn event or o	object	
	(specify):						-	
		DEFORMA	TION CLASS	IFICATION B	Y EVENT	NUMBER		
Accident		(1) (2)			(4)	(5)		
Event		(1) (2) Direction	Incremental	(3)	Specific Longitudina	Specific	(6)	·=·
Sequence	Object	of Force	Value of	Deformation	or Lateral		Type of Damage	(7) Deformation
Number	Contacted	(degrees)	Shift	Location	Location	Location	Distribution	Extent
$\bigcirc$ $\downarrow$	${\sqrt{2}}$	030	60					
$U_{\perp}$	01	030	00	R	<u>B</u>	E	h/	02
	<del></del>							
				-				
						<del></del>		
			<del></del>					

		COLLISION	DEFORMA	TION CLAS	SIFICATIO	V		
HIGHEST (	DELTA "V"							
Accident Event Sequence Number	Object Contacted	(1) (2) Direction of Force	(3) Deformation Location	(4) Longitudinal or Lateral Location	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent	
4	5. <u>0</u> 1	6	7. <u>/</u> ?	8. <u>B</u>	9. <u>E</u>	10. <u>k</u>	11.02	
Second Highest Delta "V"								
12	13	14	15	16	17	18	19	
		CRUS	H PROFILE	IN CENTIM	ETERS			
		file for the dar	nage described below. (ALL M	in the CDC(s)	above should		d	
HIGHEST	DELTA "V"							
20. L	21. 				C <sub>5</sub>		22. ±D	
251	006	0/5	001	011 (	0000	00 à	158	
Second Hi	ghest Delta "V	· ••						
23. L	24. C <sub>1</sub>					C <sub>6</sub>	25. 	
						<u>+</u> =		
1	ormed End Widt		998	28. Origina	al Wheelbase Code to the n	earest	338	
impact (250) (998)	impact is an end plane impact.)  Code to the nearest centimeter  (250) 250 centimeters or more  (998) No highest severity end plane impact  (999) Unknown  Centimeter  (999) Unknown  (999) Unknown							
(For hi	Damage Width ghest severity in Code to the ne 250 centimete Unknown	arest centimet	<u>242</u> er	29. Original Average Track Width  Code to the nearest centimeter  (185) 185 centimeters or more (999) Unknown inches X 2.54 = centimeters				

		_	FUEL SYSTEM
30.	Are CDCs Documented but Not Coded on The Automated File? (0) No (1) Yes	<u>O</u>	35. Location of Fuel Tank-1 Filler Cap  36. Location of Fuel Tank-2 Filler Cap  (0) No fuel tank  (1) On back plane  (2) Aft of center of the rear wheels (rear axle) on left side plane
31.	Researcher's Assessment of Vehicle Disposition (0) Not towed due to vehicle damage (1) Towed due to vehicle damage (9) Unknown		<ul> <li>(3) Aft of center of the rear wheels (rear axle) on right side plane</li> <li>(4) Forward of center of the rear wheels (rear axle) on left side plane</li> <li>(5) Forward of center of the rear wheels (rear axle) on right side plane</li> <li>(6) Over the center of the rear wheels (rear axle) on left side plane</li> </ul>
32.	Is This A Multi-Stage Manufactured Vehicle And/Or A Certified Altered Vehicle?  (0) No post manufacturer modifications (1) Yes - post manufacturer modifications (specify):	<u>0</u>	<ul> <li>(7) Over the center of the rear wheels (rear axle) on right side plane</li> <li>(8) Other (specify):</li> <li>(9) Unknown</li> </ul>
	(Include photograph of CERTIFICATION		37. Type of Fuel Tank-1  38. Type of Fuel Tank-2  (0) No fuel tank (electrical vehicle)
	PLACARD in case report)  (9) Unknown if vehicle is modified		(1) Metallic (2) Non-metallic (9) Unknown
	FIRE OCCURRENCE		39. Location of Fuel Tank-1
	Fire Occurrence (0) No fire  Yes, fire occurred (1) Minor (2) Major (9) Unknown  Origin of Fire (0) No fire (1) Vehicle exterior (front, side, back, top)	_0	40. Location of Fuel Tank-2  (0) No fuel tank  (1) Aft of center of the rear wheels (rear axle) centered  (2) Aft of center of the rear wheels (rear axle) left side  (3) Aft of center of the rear wheels (rear axle) right side  (4) Forward of center of the rear wheels (rear axle) centered  (5) Forward of center of the rear wheels (rear axle) left side  (6) Forward of center of the rear wheels (rear axle) right side  (7) Over center of the rear wheels (rear axle)
	<ul> <li>(2) Exhaust system</li> <li>(3) Fuel tank (and other fuel retention system parts)</li> <li>(4) Engine compartment</li> <li>(5) Cargo/trunk compartment</li> <li>(6) Instrument panel</li> <li>(7) Passenger compartment area</li> <li>(8) Other location (specify):</li> <li>(9) Unknown</li> </ul>		(7) Over center of the rear wheels (rear axle) (8) Other (specify): (9) Unknown  41. Damage to Fuel Tank-1  42. Damage to Fuel Tank-2 (0) No fuel tank (1) No damage to fuel tank (2) Deformed, no seam failure (3) Deformed, with a seam failure (4) Punctured (5) Lacerated (ripped) (6) Abraded (scraped) (7) Filler neck separation from the fuel tank (8) Other damage (specify): (9) Unknown

	<del></del>	
43. Le	eakage Location of Fuel System-1	47. Is This Vehicle Equipped With More Than Two Fuel Tanks?
<i>11</i> 1 6	eakage Location of Fuel System-2	(0) No (one or two tanks only)
	No fuel tank	(o) No (one of two tarks only)
, -	) No fuel leakage	Yes - More Than Two Tanks
٠.	, wo look lookings	(1) Yes no damage to any tank or filler
Pr	rimary Area Of Leakage	cap and no fuel system leakage
	Tank	(2) Yes no damage to any tank or filler
(3		cap but there is fuel system leakage
(4		(specify leakage location):
(5		(openity tourings to outlott).
-	Vent/emission recovery	(3) Yes damage to an additional tank or
	Other (specify):	filler cap and there is fuel system leakage
	) Unknown	(specify the following):
•-	,	Type of tank
	<i>a</i> ,	Tonk location
45. Fu	uel Type-1	Filler cap location
	$\frac{1}{2}$	
46. Fu	uel Type-2	Location of leakage
		Type of fuel
Si	ingle Fuel Type	Type of fuel(9) Unknown if more than two tanks
	O) No fuel tank	(o) Shahowii ii more than two tanks
	1) Gasoline	
	2) Diesel	
•	3) CNG (Compressed Natural Gas)	COMMENTS
	4) LPG (Liquid Petroleum Gas) also	
·	known as Propane	
(0	5) LNG (Liquid Natural Gas)	
	6) Methanol (M100 or M85)	
	7) Ethanol (E100 or E85)	*****
	8) Other (Hydrogen or others) (specify):	
Ele	ectric Powered or Electric/Solar	
	owered Vehicles	
(1	0) Lead Acid Battery	
	1) Nickel-Iron Battery	
	2) Nickel-Cadmium Battery	
	3) Sodium Metal Chloride Battery	
	4) Sodium Sulfur Battery	
	8) Other (Specify):	
(9	8) Other Hybrid (specify):	
(9	9) Unknown fuel type	
	*** STOP: IF THE CDS APPLICABL	E VEHICLE MAS NOT TOMED ***
	OTOL IL THE COS APPLICABL	E AFLUOTE MAYO MOL LOMED

\*\*\* STOP: IF THE CDS APPLICABLE VEHICLE WAS NOT TOWED \*\*\*

(GV10=0)

DO NOT COMPLETE THE INTERIOR VEHICLE FORM.

# **INTERIOR VEHICLE FORM**

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

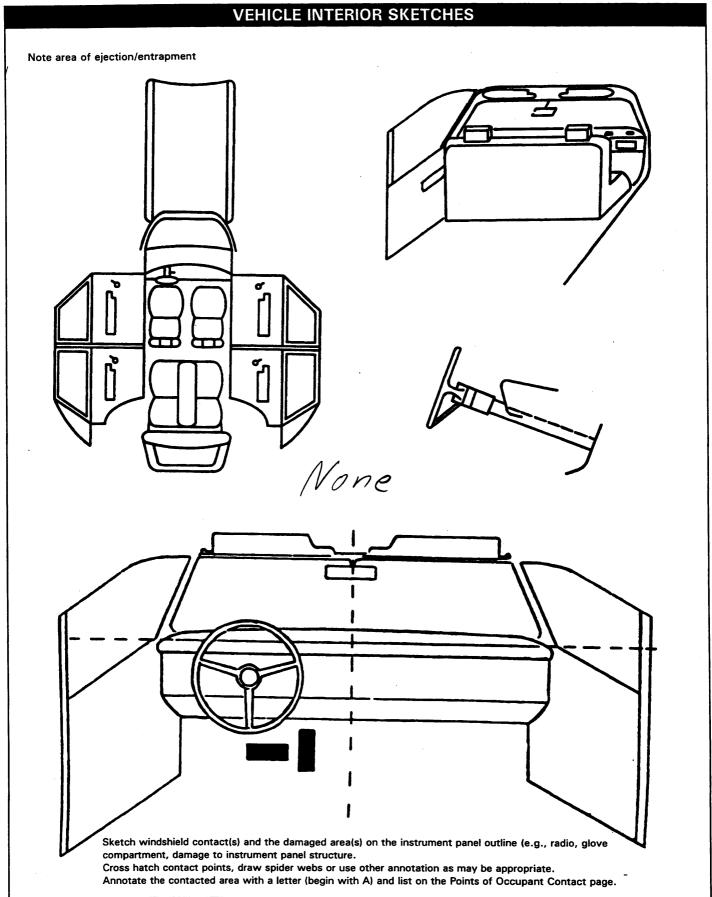
dministration	GLAZING
1. Primary Sampling Unit Number	Type of Window/Windshield Glazing
2. Case Number - Stratum	15. WS / 16. LF 2 17. RF 2 18. LR 0 19. RR
3. Vehicle Number <u>0</u> 2	20. BL 2 21. Roof <i>Q</i> 22. Other 2
INTEGRITY  4. Passenger Compartment Integrity (00) No integrity loss  Yes, Integrity Was Lost Through (01) Windshield (02) Door (side) (03) Door/hatch (back door) (04) Roof (05) Roof glass (06) Side window (07) Rear window (backlight) (08) Roof and roof glass (09) Windshield and door (side) (10) Windshield and roof (11) Side and rear window (side window and backlight) (12) Windshield and side window (13) Door and side window (98) Other combination of above (specify): (99) Unknown	(0) No glazing (1) AS-1 — Laminated (2) AS-2 — Tempered (3) AS-3 — Tempered-tinted (original) (4) AS-2 — Tempered-with after market tint (5) AS-3 — Tempered-tinted (with additional after market tint) (6) AS-14 — Glass/Plastic (7) Glazing removed prior to accident (8) Other (specify): (9) Unknown  Window Precrash Glazing Status  23. WS 24. LF 25. RF 26. LR 27. RR 28. BL 29. Roof 30. Other 3  (0) No glazing (1) Fixed (2) Closed (3) Partially opened (4) Fully opened (7) Glazing removed prior to accident (9) Unknown
Door, Tailgate or Hatch Opening  5. LF / 6. RF / 7. LR / 8. RR / 9. TG/H	Glazing Damage from Impact Forces 31. WS / 32. LF / 33. RF / 34. LR / 35. RR
(0) No door/gate/hatch (1) Door/gate/hatch remained closed and operational (2) Door/gate/hatch came open during collision (3) Door/gate/hatch jammed shut (8) Other (specify):  (9) Unknown	36. BL / 37. Roof / 38. Other /  (0) No glazing (1) No glazing damage from impact forces (2) Glazing in place and cracked from impact forces (3) Glazing in place and holed from impact forces (4) Glazing out-of-place (cracked or not) and not holed from impact forces (5) Glazing out-of-place and holed from impact forces (6) Glazing disintegrated from impact forces
Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then code Ø	(7) Glazing removed prior to accident (9) Unknown if damaged
10. LF O 11. RF O 12. LR O 13. RR O 14. TG/HO  (0) No door/gate/hatch or door not opened  Door, Tailgate or Hatch Came Open During Collision	Glazing Damage from Occupant Contact  39. WS / 40. LF / 41. RF / 42. LR / 43. RR / 44. BL / 45. Roof / 46. Other /
<ul> <li>(1) Door operational (no damage)</li> <li>(2) Latch/striker failure due to damage</li> <li>(3) Hinge failure due to damage</li> <li>(4) Door structure failure due to damage</li> <li>(5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage</li> <li>(6) Latch/striker and hinge failure due to damage</li> <li>(8) Other failure (specify):</li> <li>(9) Unknown</li> </ul>	(0) No glazing (1) No occupant contact to glazing (2) Glazing contacted by occupant but no glazing damage (3) Glazing in place and cracked by occupant contact (4) Glazing in place and holed by occupant contact (5) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact (6) Glazing out-of-place by occupant contact and holed by occupant contact (7) Glazing removed prior to accident (8) Glazing disintegrated by occupant (9) Unknown if contacted by occupant

# INTRUSION WORKSHEET NOTE: SKETCH INTRUDED AREAS Vertical Longitudinal Row Width (cm) Longitudinal Vertical **DOMINANT** LOCATION (All Measurements Are In Centimeters) **INTRUDED COMPARISON INTRUSION CRUSH** OF **INTRUDED DIRECTION** INTRUSION COMPONENT **VALUE VALUE** = = = = = = =

### **OCCUPANT AREA INTRUSION** Note: If no intrusions, leave variables IV47-IV86 blank. INTRUDING COMPONENT Interior Components Dominant Magnitude Crush (01) Steering assembly Location of Intruding (02) Instrument panel left Intrusion of Intrusion Direction Component (03) Instrument panel center (04) Instrument panel right 1st 47.\_\_\_ \_\_ 48.\_\_\_ 49. 50. (05) Toe pan (06) A (A1/A2)-pillar (07) B-pillar (08) C-pillar 52.\_\_\_\_ (09) D-pillar (10) Side panel - forward of the A1/A2-pillar (11) Door panel (side) (12) Side panel - rear of the B-pillar 57. 3rd 55.\_\_\_ 56.\_\_ (13) Roof (or convertible top) (14) Roof side rail (15) Windshield (16) Windshield header 60. 61. 62. (17) Window frame (18) Floor pan (includes sill) (19) Backlight header (20) Front seat back 65. (21) Second seat back (22) Third seat back (23) Fourth seat back (24) Fifth seat back 68. 69. 70. (25) Seat cushion (26) Back door/panel (e.g., tailgate) (27) Other interior component (specify): 72. 73. 7th **Exterior Components** (30) Hood (31) Outside surface of this vehicle (specify): 76.\_\_\_\_ 77.\_\_\_ 78.\_\_\_ 8th (32) Other exterior object in the environment (specify): 80. 81. 82. (33) Unknown exterior object (97) Catastrophic (98) Intrusion of unlisted component(s) (specify): 10th 83. 84. 85. 86. (99) Unknown LOCATION OF INTRUSION MAGNITUDE OF INTRUSION (1) ≥ 3 centimeters but < 8 centimeters Front Seat Fourth Seat (2) ≥ 8 centimeters but < 15 centimeters (11) Left (41) Left (3) ≥ 15 centimeters but < 30 centimeters (12) Middle (42) Middle (4) ≥ 30 centimeters but < 46 centimeters (13) Right (43) Right (5) ≥ 46 centimeters but < 61 centimeters (6) ≥ 61 centimeters (97) Catastrophic Second Seat (7) Catastrophic (98) Other enclosed (21) Left (9) Unknown (22) Middle area (specify) (23) Right (99) Unknown DOMINANT CRUSH DIRECTION Third Seat (1) Vertical (31) Left (2) Longitudinal (32) Middle (3) Lateral (33) Right (7) Catastrophic (9) Unknown

	(All Measurements Are in Centimeters)								
COMPARISON VALUE	_	DAMAGE VALUE	=	DEFORMATION					
	_		=						
	_		=						
			=						
	_		=						
		•							
·									
·									
				•					
				·					

STEERING COLUMN	INSTRUMENT PANEL
87. Steering Column Type (1) Fixed column	92. Odometer Reading 2 / 2 ,000
(2) Tilt column	kilometers Code to the nearest 1,000 kilometers
(3) Telescoping column (4) Tilt and telescoping column	(000) No odometer
(8) Other column type (specify):	(001) Less than 1,500 kilometers
(0) 11 1	(500) 499,500 kilometers or more (999) Unknown
(9) Unknown	1 5 1, 6 4 3 miles X 1.6093 = 1 1, 8 3 3 kilometers
88. Tilt Steering Column Adjustment	Source: Dash Odometer
(0) No tilt steering column	93. Instrument Panel Damage from
(1) Full up (2) Between full up and center	Occupant Contact?
(3) Center	(0) No (1) Yes
(4) Between center and full down (5) Full down	(9) Unknown
(9) Unknown	94. Type of Knee Bolster Covering
^	(0) No knee bolster
89. Telescoping Steering Column Adjustment	(1) Padded (2) Rigid plastic
(0) No telescoping steering column	(8) Other (specify):
(1) Full back (2) Between full back and midpoint	(9) Unknown
(3) Midpoint	95. Knee Bolsters Deformed from
(4) Between midpoint and full forward (5) Full forward	Occupant Contact? (0) No knee bolster
(9) Unknown	(1) No deformation
2 (2)	(2) Yes - deformation (9) Unknown
90. Steering Rim/Spoke Deformation	OC Did Class Comments and David Comme
Code actual measured deformation to the nearest centimeter	96. Did Glove Compartment Door Open During Collision(s)?
(00) No steering rim deformation	(0) No glove compartment door
(01-14) Actual measured value in centimeters (15) 15 centimeters or more	(1) No - door did not open (2) Yes - door opened
(98) Observed deformation cannot be measured	(9) Unknown
(99) Unknown	97. Adaptive (Assistive) Driving Equipment
(20)	(0) No adaptive driving equipment (1) Adaptive driving equipment installed
91. Location of Steering Rim/Spoke	(Check all that apply.)
(00) No steering rim deformation	[ ] Hand controls for braking/acceleration [ ] Steering control devices (attached to OEM
Quarter Sections	steering control devices (attached to DEM
(01) Section A	[] Steering knob attached to steering wheel
(02) Section B (03) Section C	[ ] Low effort power steering (unit or device) [ ] Replacement steering wheel (i.e., reduced
(04) Section D Upper	diameter)
Half Sections	[ ] Joy-stick steering controls [ ] Wheelchair tie-downs
(05) Upper half of rim/spoke	[] Modification to seat belts (specify):
(06) Lower half of rim/spoke	[] Additional or relocated switches (specify):
(08) Right half of rim/spoke	[] Raised roof
(09) Complete steering wheel collapse	[] Wall-mounted head rest (used behind
(10) Undetermined location (99) Unknown	wheelchair) [ ] Other adaptive device (specify):
(33) Olikilowii	
	(9) Unknown



		1 01	110 01 000	UPANT CONTACT		
0	Interior Component	Occupant No. If Known	Body Region If	Supporting Physical 5	vidence	Confiden Level o Contac Point
Contact	Contacted	Known	Known	Supporting Physical E	viderice	Polit
Α						
В						
С						
D						
E		1				
F						
 G	-		1 1/1	NE -		
			1 / 1 9			
H						
J						
K						
L						
M						
N	<del> </del>					
	<u> </u>			RIOR COMPONENTS		L
2006) Steering of codes in codes in codes in column, transcription of codes in column, tradio column,	wheel hub/spoke wheel (combination 004 and 005)  ansmission selector er attachment elephone or CB  quipment(e.g., , air conditioner) ument panel and strument panel and arument panel and mpartment door ster Id including one or the following: front (A1/A2)-pillar, tt panel, mirror, or assembly (driver	armre (052) Left s armre (053) Left s (054) Left s (055) Other (056) Left s (057) Left s (058) Left s (059) Left s include follow sill, A or roo (060) Other (spec) RIGHT SIDE (101) Right exclude armre (102) Right (104) Right (104) Right (105) Other (106) Right (107) Right (107) Right (107) Right (107) Right (107) Right (108) Right (108) Right (108) Right (108) Right	side hardware or st A (A1/A2)-pillar 3-pillar 4-pillar (specify): side window glass dide window glass dide window glass dide window glass ding one or more of the wing: frame, window (A1/A2)-pillar, B-pillar, of side rail.  I eleft side object did interior surface, ding hardware or sts side hardware or sts A (A1/A2)-pillar	(152) Belt restraint webbing/buckle (153) Belt restraint B-pillar or door frame attachment point (154) Other restraint system component (specify):  (155) Head restraint system (160) Other occupants (specify):  (161) Interior loose objects (162) Child safety seat (specify):  (163) Other interior object (specify):  AIR BAG (170) Air bag-driver side (175) Air bag compartment cover-driver side (180) Air bag-passenger side (185) Air bag compartment cover-passenger side (190) Other air bag (specify)  (195) Other air bag compartment cover (specify)  ROOF (201) Front header (202) Rear header (203) Roof left side rail (204) Roof right side rail	ADAPTIVE (ASSISTIVE QUIPMENT  (401) Hand controls braking/accele  (402) Steering contr (attached to Controls of the controls o	for ration oldevices DEM steering wheel diameter) ring controls downs o seat belts, relocated ecify):
O19) Other fro	nt object (specify):	inclu follov sill, A or ro (110) Othe	ding one or more of the wing: frame, window (A1/A2)-pillar, B-pillar, of side rail. r right side object ify):	(205) Roof or convertible top	CONFIDENCE LEVEL POINT (1) Certain (2) Probable	OF CONTAC

# MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a child safety seat is present, encode the data on the back of this page 11.

If the vehicle has automatic restraints available, encode the appropriate data on page 6.

		Left	Center	Right
	A-Availability	4	3	4
F	B-Evidence of usage	04	03	04
l I R	C-Used in this crash?	00	00	00
S	D-Proper Use	Ŏ	0	0
T	E-Failure Modes	0	0	0
İ	F-Anchorage Adjustment		0	,
	A-Availability			
s	B-Evidence of usage			
S E C O	C-Used in this crash?			and the second
	D-Proper Use			
N	E-Failure Modes			
	F-Anchorage Adjustment			
	A-Availability			
l o	B-Evidence of usage			
T	C-Used in this crash?			
H E	D-Proper Use			
	E-Failure Modes			
	F-Anchorage Adjustment			

### A-Manual (Active) Belt System Availability

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available type unknown

# Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)
- (8) Other belt (specify):
- (9) Unknown

## B/C-Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify):
- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used type unknown
- (08) Other belt used (specify):
- (12) Shoulder belt used with child safety seat
- seat
  (13) Lap belt used with child safety seat
- (13) Lap belt used with child safety seat
   (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat -
- (18) Other belt used with child safety seat (specify):
- (99) Unknown if belt used

### D-Proper Use of Manual (Active) Belts

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

# Belt Used Improperly

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of manual belt system (specify):
- (9) Unknown

Accident

# E-Manual (Active) Belt Failure Modes During

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other manual belt failure (specify):
- (9) Unknown

# F-Shoulder Belt Upper Anchorage Adjustment

- (0) No shoulder belt
- (1) No upper anchorage adjustment for shoulder belt

### Adjustable shoulder Belt Upper Anchorage

- (2) In full up position
- (3) In mid position
- (4) In full down position
- (5) Position unknown
- (9) Unknown if position has adjustable upper anchorage adjustment

# **AUTOMATIC RESTRAINTS**

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		AIR DAGS		
		Frontal Air BagsLeft Front	Frontal Air Bags-Right Front	OtherAir Bag
F I R S T	Availability/Function			
	Deployment			
	Failure			

### Air Bag System Availability/Function

- (0) Not equipped/not available
- (1) Air bag

Non-functional

- (2) Air bag disconnected (specify):
- (3) Air bag not reinstalled
- (9) Unknown

Air Bag System Deployment (This Occupant Position)

- (0) Not equipped/not available
- (1) Deployed during accident (as a result of impact)
- (2) Deployed inadvertently just prior to accident
- (3) Deployed, accident sequence undetermined
- (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (5) Unknown if deployed
- (7) Nondeployed
- (9) Unknown

# Are There Indications of Air Bag System Failure? (This Occupant Position)

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (9) Unknown

# **AUTOMATIC BELTS**

		Left	Right
F I R S T	A-Availability/Function		
	B-Use		
	C-Type		
	D-Proper Use		
	E-Failure Modes		

### A-Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts type unknown

# Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- (9) Unknown

### **B-Automatic (Passive) Belt System Use**

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

# C-Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system (9) Unknown

- D-Proper Use of Automatic (Passive) Belt System
  - (0) Not equipped/not available/not used
  - (1) Automatic belt used properly
  - (2) Automatic belt used properly with child safety seat

# Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under arm
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or

automatic shoulder belt used improperly with child safety seat (specify):

- (8) Other improper use of automatic belt system (specify):
- (9) Unknown

# E-Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

# FIRST SEAT FRONTAL AIR BAGS

NOTES: Encode the applicable data *for the driver and first seat passenger* in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

	Driver	Passenger
A-Type of air bag?		No. of the second secon
B-Flaps open at tear points?		
C-Flaps damaged?		
D-Air bag damaged?		
E-Source of air bag damage		
F-Air bag tethered?		
G-Air bag have vent ports?		
H-Other occupant contact air bag?		
I-Occupant wearing eyewear?		

# A-Type of Air Bag

- (0) Not equipped/not available
- (1) Original manufacturer installed system
- (2) Retrofitted air bag
- (3) Replacement air bag
- (8) Unknown type of air bag
- (9) Unknown

# B-Did Air Bag Module Cover Flap(s) Open At Designated Tear Points?

- (0) Not equipped/not available
- (1) No
- (2) Yes
- (3) Deployed, unknown if flap(s) opened at designated tear points
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# C-Were Air Bag Module Cover Flap(s) Damaged?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if air bag module cover flap(s) damaged
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

### D-Was There Damage To The Air Bag?

- (00) Not equipped/not available
- (01) Not damaged

### Yes - Air Bag Damage

- (02) Ruptured -
- (03) Cut
- (05) Holed
- (06) Burned
- (07) Abraded
- (88) Other damage (specify):
- (95) Damaged, details unknown
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

### E-Source of Air Bag Damage

- (00) Not equipped/not available
- (01) Not damaged
- (02) Object worn by occupant, (specify):
- (03) Object carried by occupant, (specify):
- (04) Adaptive/assistive controls, (specify):
- (05) Fire in vehicle
- (06) Thermal burns
- (07) Rescue or emergency efforts
- (88) Other damage source (specify):
- (95) Damaged, unknown source
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

### F-Was The Air Bag Tethered?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of tether straps):
- 3) Deployed, unknown if tethered
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

### G-Did The Air Bag Have Vent Ports?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of vent ports):
- 3) Deployed, unknown if vent ports present
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# H-Was the Air Bag in this Occupant's Position Contacted by Another Occupant?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- Deployed, unknown if other occupant contact to air bag
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# I-Was This Occupant Wearing Eye-wear?

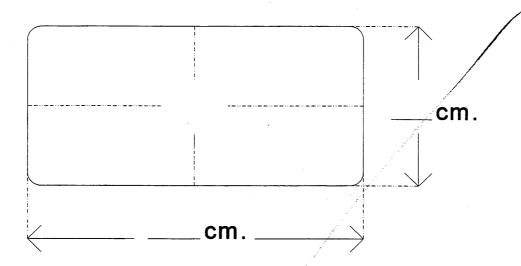
- (0) Not equipped/not available
- (1) No
- (2) Eyeglasses/sunglasses
- (3) Contact lenses
- (4) Deployed, unknown if eyewear worn
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

# DRIVER AIR BAG DAMAGE AND CONTACT SKETCHES 1. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Front) cm. 2. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Back)

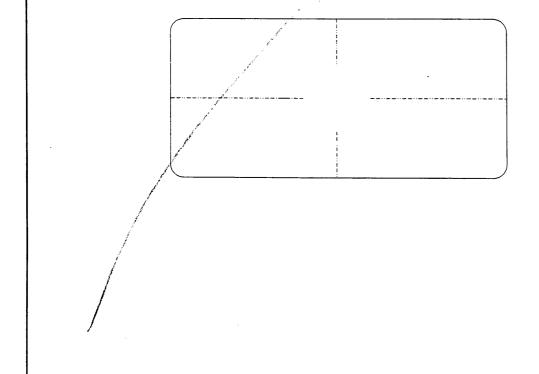
DRIVER AIR BAG	SKETCHES (Cont'd)	
3. DRIVER AIR BAG MODULE COVER FLAP SIZE (SINGLE)  width (W <sub>U</sub> ) width (W <sub>L</sub> ) height (H)	4. DRIVER AIR BAG MOD (DOUBLE) a. Upper Flap width (W <sub>U</sub> ) height (H <sub>U</sub> )	b. Lower Flap width (W()
$W_{U}$ $H$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$	↑ H,	V. + H.
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE  7. SKETCH LOCATION OF CIRCULAR AIR BAG VENT	6. SKETCH OF OTHER TYP PORTS	E OF AIR BAG VENT
PORTS  11 12 1  10 2  9 3  8 4  7 6 5	·	

# PASSENGER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Front)

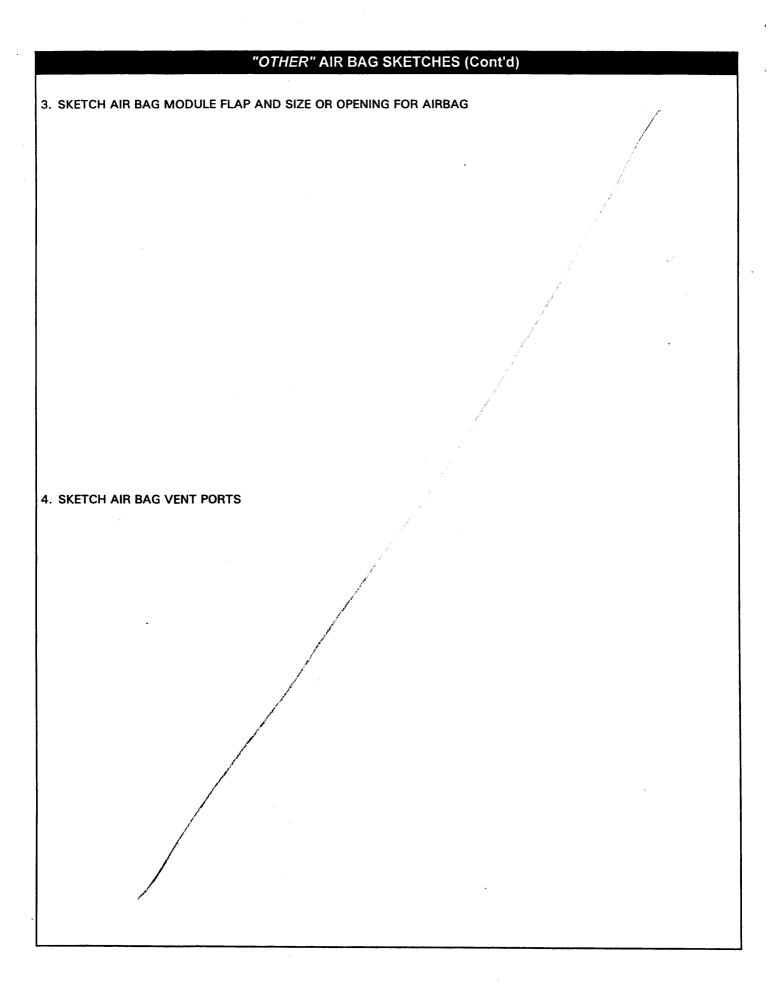


2. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Back)



PASSENGER AIR BA	G SKETCHES (Cont'd)
3. PASSENGER AIR BAG MODULE COVER FLAP SIZE (SINGLE)	4. PASSENGER AIR BAG MODULE COVER FLAP SIZE (DOUBLE)
width (W)	a. Upper Flap b. Lower Flap
- <del></del>	width (W <sub>u</sub> ) width (W <sub>L</sub> )
height (H)	height (H <sub>U</sub> ) height (H <sub>L</sub> )
H → W →	W. — H. — W. — W. — W. — W. — W. — W. —
	<del> </del>
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	6. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
TEAT AND SIZE	
	pt and the second secon
	<i>;</i>
7. SKETCH LOCATION OF RECTANGULAR AIR BAG VENT PORTS	
10 11 12 / 1 2	
9 3	
8 7 6 5 4	,

"OTHER" AIR BAG DAMAGE AND CONTACT SKETCHES
1. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Front)
THE SECTION DAILY CONTROL ON CONTENT AIR BAG (FIGHT)
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Back)



# **HEAD RESTRAINTS/SEAT EVALUATION**

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
	A-Head Restraint Type/Damage	0	0	0
-	B-Seat Type	05	05	05
F	C-Seat Orientation	1	0	0
R S	D-Seat Track Position		0	0
Т	E-Seat Back Incline Pre/Post Impact	01	00	00
	F-Seat Performance	1	0	. 0
	A-Head Restraint Type/Damage	/		
•	B-Seat Type			
S E	C-Seat Orientation			
CO	D-Seat Track Position			
N D	E-Seat Back Incline Pre/Post Impact			
	F-Seat Performance			
	A-Head Restraint Type/Damage			
т	B-Seat Type			
Ĥ	C-Seat Orientation			
Ŕ	D-Seat Track Position			
D	E-Seat Back Incline Pre/Post Impact			
	F-Seat Performance			
	A-Head Restraint Type/Damage			
0	B-Seat Type			
H	C-Seat Orientation			
E R	D-Seat Track Position			
••	E-Seat Back Incline Pre/Post Impact			
	F-Seat Performance		/	

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

# HEAD RESTRAINTS/SEAT EVALUATION

	ad Restraint Type/Damage by pant at This Occupant Position		at Back Incline Prior and Post	
(0) N	lo head restraints ntegral — no damage	(OŌ)	Occupant not seated or no seat Not adjustable	
	ntegral — damaged during ccident	Uprig	ht prior to impact	
(3) A	ccident Adjustable — no damage Adjustable — damaged during	(11)	Moved to completely rearward position	15 <sup>14</sup> 13
а	ccident add-on — no damage	(12)	position	16 \   / 12
(6) A	Add-on — damaged during ccident	(13)	position	17
(8) C	Other	(14) (15)	Retained pre-impact position	
	pecify):	(15)	Moved to slightly forward position	
(9) (	Inknown	(16)	F	
		(17)		
B-Sea Positi	nt Type (this Occupant		position	
	Occupant not seated or no		ly reclined prior to impact  Moved to completely rearward	25 <sup>24</sup> <sub>23</sub>
(01)	seat Bucket	(21)	position	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	Bucket with folding back	(22)	Moved to rearward midrange	
	Bench	(23)	position Retained pre-impact postion	27 21
(04)	Bench with separate back cushions	(24)	Moved to upright position	
(05)	Bench with folding back(s)	(25)	Moved to slightly forward	
(06)	Split bench with separate back cushions	(26)	position Moved to forward midrange	
	Split bench with folding back(s)	(27)	position Moved to completely forward	
(80)	Pedestal (i.e., column supported)		position	
(09)	Box mounted seat (i.e., van	Comp	letely reclined prior to impact	
	type) Other seat type (specify):		Retained pre-impact position Moved to rearward midrange	35 <sup>34</sup> 33
(00)	Unknown	(33)	position Moved to slightly rearward	36 \
(99)	Unknown		position	37 \ \ / / 31
		(34) (35)	Moved to upright position Moved to slightly forward	
C-Sea Positi	at Orientation (this Occupant	(36)	position Moved to forward midrange	
(O)	Occupant not seated or no	(37)	position Moved to completely forward	
	seat Forward facing seat	(37)	position	
(2)	Rear facing seat		•	Coding diagrams for Seat Back Incline
(3)	Side facing seat (inward)	(99)	Unknown	Position Prior and Post Impact
	Side facing seat (outward) Other (specify):			
	• • • • • • • • • • • • • • • • • • • •	F-Sea	t Performance (this Occupant	
,		Position (0)		
		(1)	Occupant not seated or no seat No seat performance failure(s)	
D-Sea	at Track Adjusted Position Prior	(2)	Seat adjusters failed	
To Im		(3)	Seat back folding locks or "seat	
	Occupant not seated or no seat		back" failed (specify):	
	Non-adjustable seat track		Seat tracks/anchors failed	
: الم ٨		: = :	Deformed by impact of occupant Deformed by passenger	
	table Seat Track Seat at forward most track		compartment intrusion	
	position		(specify):	
(3)	Seat between forward most	(7)	Combination of above (specify):	
	and middle track positions	(0)	0.11	

(8)

(9)

(4)

(5)

(6)

(9)

Seat at middle track position

most track positions

position

Unknown

Seat at rear most track

Seat between middle and rear

Other (specify):

Unknown

	CHILD SAFET	TY SEAT F	IEL	D ASSE	SSMENT		
Wh the	en a child safety seat is present enter the occupant's number using the codes liste	occupant's nu	umb	er in the fi	rst row and co	omplete the co	lumn below at present.
Oc	cupant Number						
1.	Type of Child Safety Seat						
2.	Child Safety Seat Orientation						
3.	Child Safety Seat Harness Usage						
4.	Child Safety Seat Shield Usage						
5.	Child Safety Seat Tether Usage						
6.	Child Safety Seat Make/Model	Specif	у В	elow for E	ach Child Safe	ety Seat	
1.	Type of Child Safety Seat  (O) No child safety seat		3.	Child Saf	ety Seat Harn	ness Usage	
	<ul><li>(1) Infant seat</li><li>(2) Toddler seat</li><li>(3) Convertible seat</li></ul>		4.	Child Saf	ety Seat Shie	ld Usage	
	(4) Booster seat (7) Other type child safety seat (specify):  (8) Unknown child safety seat type (9) Unknown if child safety seat used	·):	5. Child Safety Seat Tether Usage Note: Options Below Are Used for Varia	ariables 3-5.			
		_	(00) No child safety seat  Not Designed with Harness				ether
2.	Child Safety Seat Orientation	(01) After market harness/shield/t added, not used (02) After market harness/shield/t					
<ul><li>(OO) No child safety seat</li><li>Designed for Rear Facing for</li><li>This Age/Weight</li><li>(O1) Rear facing</li></ul>			(03) Chil hari (09) Unk	ld safety seat ness/shield/tet	used, but no	after market	
	(02) Forward facing (08) Other orientation (specify):			Designed (11) Har	With Harness	s/Shield/Tethe ther not used	r
	(09) Unknown orientation  Designed for Forward Facing for This			(12) Har	ness/shield/te	ther used ess/shield/teth	er used
	Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation (specify):			(21) Har (22) Har	ness/shield/te ness/shield/te	With Harness/sther not used ther used	
	(19) Unknown orientation					ess/shield/teth safety seat us	
	Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (28) Other orientation (specify):		6.	Child Saf	ety Seat Mak		
	(29) Unknown orientation						
	(99) Unknown if child safety seat used						

National Accident Sampling System-C			Page 1
Complete the following if the research in the vehicle. Code the appropriate	EJECTION/ENTRAPMENT In the contract of the con	cupant was either ejected from or	entrappe
EJECTION No Yes [ Describe indications of ejection and	] body parts involved in partial ejec	tion(s):	<del></del>
Occupant Number			·
Ejection			
(Note on Vehicle Interior Sketch) Ejection Area			
Ejection Medium			
Medium Status			
Ejection (1) Complete ejection (2) Partial ejection (3) Ejection, Unknown degree (9) Unknown	(7) Roof (8) Other area (e.g., back of pickup, etc.) (specify):	(5) Integral structure (8) Other medium (speci-	fy):
Ejection Area (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear	Ejection Medium (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify):	Medium Status (Immediate to Impact) (1) Open (2) Closed (3) Integral structure (9) Unknown	ly Prior
ENTRAPMENT No Yes  Describe entrapment mechanism:	[ ]		
Component(s):			
componential.			

(Note on vehicle interior sketch)

# **OCCUPANT ASSESSMENT FORM**

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number	OCCUPANT'S SEATING
002 K	10. Occupant's Seat Position
2. Case Number - Stratum	Front Seat
3. Vehicle Number	(11) Left side (12) Middle
4. Occupant Number	(13) Right side
OCCUPANT'S CHARACTERISTICS	(14) Other (specify):(15) On or in the lap of another occupant
	(13) On or in the lap of another occupant
5. Occupant's Age	Second Seat
Code actual age at time of accident.  (OO) Less than one year old (specify by month):	(21) Left side (22) Middle
	(23) Right side
(97) 97 years and older	(24) Other (specify):
(99) Unknown  Par PAR	(25) On or in the lap of another occupant
	Third Seat
6. Occupant's Sex	(31) Left side (32) Middle
(1) Male	(33) Right side
(2) Female-not reported pregnant	(34) Other (specify):
<ul><li>(3) Female-pregnant-1st trimester(1st-3rd month)</li><li>(4) Female-pregnant-2nd trimester(4th-6th month)</li></ul>	(35) On or in the lap of another occupant
(5) Female-pregnant-3rd trimester(7th-9th month)	Fourth Seat
(6) Female-pregnant-term unknown	(41) Left side
(9) Unknown	(42) Middle (43) Right side
	(44) Other (specify):
7. Occupant's Height 999	(45) On or in the lap of another occupant
Code actual height to the nearest	(97) In or on unenclosed area
centimeter.	(98) Other seat (specify):
(999) Unknown	(99) Unknown
inches X 2.54 = centimeters	
8. Occupant's Weight	11. Occupant's Posture
Code actual weight to the nearest	(0) Normal posture
kilogram.	Abnormal posture
(999) Unknown	(1) Kneeling or standing on seat
pounds X .4536 = kilograms	<ul><li>(2) Lying on or across seat</li><li>(3) Kneeling, standing or sitting in front of seat</li></ul>
	(4) Sitting sideways or turned to talk with
9. Occupant's Role /	another occupant or to look out a rear window
(2) Passenger	(5) Sitting on a console
(9) Unknown	<ul><li>(6) Lying back in a reclined seat position</li><li>(7) Bracing with feet or hands on a surface in</li></ul>
·	front of seat (8) Other abnormal posture (specify):
	(9) Unknown
	·

	EJECTION/ENTRAPMENT						
12.	Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	0	15. Medium Status (Immediately Prior To Impact)  (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown				
	Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown  Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	0	16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify): (9) Unknown  17. Occupant Mobility (0) Occupant fatal before removed from vehicle (1) Removed from vehicle while unconscious or not oriented to time or place (2) Removed from vehicle due to perceived serious injuries (3) Exited vehicle with some assistance (4) Exited vehicle under own power (5) Occupant fully ejected (8) Removed from vehicle for other reasons (specify): (9) Unknown				

	BELT SYSTEM FUNCTION						
18.	Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unknown	22. Manual Shoulder Belt Upper Anchorage Adjustment (0) No manual shoulder belt (1) No upper anchorage adjustment for manual shoulder belt Adjustable shoulder Belt Upper Anchorage					
	Integral Belt Partially Destroyed  (6) Shoulder belt (lap belt destroyed/removed)  (7) Lap belt (shoulder belt destroyed/removed)  (8) Other belt (specify):	(2) In full up position (3) In mid position (4) In full down position (5) Position unknown (9) Unknown if position has adjustable upper anchorage adjustment  23. Automatic (Passive) Belt System Availability/					
19.	Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify): (02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):	Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown  Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown  24. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or					
20	(12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat (specify): (99) Unknown if belt used	rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown  25. Automatic (Passive) Belt System Type (0) Not equipped/not available					
20.	Proper Use of Manual (Active) Belts (0) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat  Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat	(1) Non-motorized system (2) Motorized system (9) Unknown  26. Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with					
	<ul> <li>(5) Belt worn around more than one person</li> <li>(6) Lap belt worn on abdomen</li> <li>(7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):</li> <li>(8) Other improper use of manual belt system (specify):</li> </ul>	child safety seat  Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen					
21	(9) Unknown  Manual (Active) Belt Failure Modes	(7) Automatic lap and shoulder belt or automatic shoulder belt used improperly					
۷۱.	During Accident  (0) No manual belt used or not available (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):	with child safety seat (specify):  (8) Other improper use of automatic belt system (specify): (9) Unknown  27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use					
	<ul> <li>(6) Broken retractor</li> <li>(7) Combination of above (specify):</li> <li>(8) Other manual belt failure (specify):</li> </ul>	(1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):					
	(9) Unknown	(6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify):					
	•	(9) Unknown					

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use  (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown
(9) Police indicated "unknown"  29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	<ul> <li>31. Frontal Air Bag System Deployment (This Occupant Position)</li> <li>(0) Not equipped/not available</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>
Check the Primary Source Used In Determining Belt Use.  [Vehicle inspection [ ] Official injury data [ ] Driver/occupant interview [ ] Other (specify):  [ ] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag  Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown  Specify type of "other" air bag present:
	<ul> <li>33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position)</li> <li>(0) Not equipped with an "other" air bag</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>
	34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown

FINST SEAT FRONTAL AIR	BAG SYSTEM EVALUATION
35. Had Vehicle Been in Previous Accident(s)?  (0) Not equipped/not available (1) No previous accidents  Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of + Delta V For Air Bag - OOO Deployment Impact (_000) Not equipped/not available Code the value of the delta V for the impact that initiated the air bag deployment (_996) Deployment, unknown longitudinal Delta V (_997) Not deployed (_998) Unknown if deployed (_999) Unknown
36. Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed
37. Had Any Prior Maintenance/Service Been Performed On This Air Bag System? (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify): (9) Unknown	(9) Unknown  42. Were Air Bag Module Cover Flap(s) Damaged?  (0) Not equipped/not available (1) No (2) Yes (specify):  (3) Deployed, unknown if air bag module cover flap(s) damaged (7) Not deployed
38. Air Bag Deployment Accident Event Sequence Number (00) Not equipped/not available Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown	(8) Unknown if deployed (9) Unknown  43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged  Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn
39. CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify):  (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(05) Holed (06) Burned (07) Abraded (88) Other damage (specify):  (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

	FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued	HE	EAD RESTRAINT AND SEAT EVALUATION
44.	Source of Air Bag Damage (00) Not equipped/not available (01) Not damaged (02) Object worn by occupant, (specify): (03) Object carried by occupant, (specify): (04) Adaptive/assistive controls, (specify): (05) Fire in vehicle (06) Thermal burns (07) Rescue or emergency efforts	49.	Head Restraint Type/Damage by Occupant at This Occupant Position  (0) No head restraints  (1) Integral—no damage  (2) Integral—damaged during accident  (3) Adjustable—no damage  (4) Adjustable—damaged during accident  (5) Add-on—no damage  (6) Add-on—damaged during accident  (8) Other (specify):
	(88) Other damage source (specify):  (95) Damaged, unknown source (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown	50.	Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions
45.	Was The Air Bag Tethered?  (0) Not equipped/not available (1) No (2) Yes (specify number of tether straps):  (3) Deployed, unknown if tethered (7) Not deployed (8) Unknown if deployed (9) Unknown	51.	(07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Box mounted seat (i.e., van type) (10) Other seat type (specify):  (99) Unknown  Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat
46.	Did The Air Bag Have Vent Ports?  (O) Not equipped/not available  (1) No  (2) Yes (specify number of vent ports):  (3) Deployed, unknown if vent ports present  (7) Not deployed  (8) Unknown if deployed  (9) Unknown	52.	(2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify):  (9) Unknown  Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat
47.	Was the Air Bag in this Occupant's Position Contacted by Another Occupant? (0) Not equipped/not available (1) No (2) Yes (specify):  (3) Deployed, unknown if other occupant contact to air bag (7) Not deployed (8) Unknown if deployed (9) Unknown		<ul> <li>(1) Non-adjustable seat track</li> <li>Adjustable Seat Track</li> <li>(2) Seat at forward most track position</li> <li>(3) Seat between forward most and middle track positions</li> <li>(4) Seat at middle track position</li> <li>(5) Seat between middle and rear most track positions</li> <li>(6) Seat at rear most track position</li> <li>(9) Unknown</li> </ul>
48.	Was This Occupant Wearing Eye-wear?  (0) Not air bag equipped/air bag not available  (1) No  (2) Eyeglasses/sunglasses  (3) Contact lenses  (4) Deployed, unknown if eyewear worn  (7) Not deployed  (8) Unknown if deployed  (9) Unknown		

# **HEAD RESTRAINT AND SEAT EVALUATION continued**

- 53. Seat Back Incline Prior and Post Impact 01
  - (00) Occupant not seated or no seat
  - (01) Not adjustable

#### Upright prior to impact

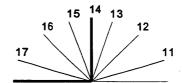
- (11) Moved to completely rearward position
- (12) Moved to rearward midrange position
- (13) Moved to slightly rearward position
- (14) Retained pre-impact position
- (15) Moved to slightly forward position
- (16) Moved to forward midrange position
- (17) Moved to completely forward position

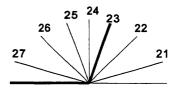
#### Slightly reclined prior to impact

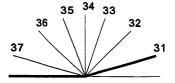
- (21) Moved to completely rearward position
- (22) Moved to rearward midrange position
- (23) Retained pre-impact position
- (24) Moved to upright position
- (25) Moved to slightly forward position
- (26) Moved to forward midrange position
- (27) Moved to completely forward position

#### Completely reclined prior to impact

- (31) Retained pre-impact position
- (32) Moved to rearward midrange position
- (33) Moved to slightly rearward position
- (34) Moved to upright position
- (35) Moved to slightly forward position
- (36) Moved to forward midrange position
- (37) Moved to completely forward position
- (99) Unknown
- 54. Seat Performance (this Occupant Position)
  - (0) Occupant not seated or no seat
  - (1) No seat performance failure(s)
  - (2) Seat adjusters failed
  - (3) Seat back folding locks or "seat back" failed (specify):
  - (4) Seat track/anchors failed
  - (5) Deformed by impact of occupant
  - (6) Deformed by passenger compartment intrusion, (specify):
  - (7) Combination of above (specify):
  - (8) Other (specify):
  - (9) Unknown







CHILD	SAFETY SEAT
55. Child Safety Seat Make/Model (000) No child safety seat	2 58. Child Safety Seat Harness Usage
Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat	59. Child Safety Seat Shield Usage
(997) Other make/model (specify):  (998) Unknown make/model	60. Child Safety Seat Tether Usage
(999) Unknown if child safety seat used	Note: Options below applicable to Variables OA58-OA60.
56. Type of Child Safety Seat  (0) No child safety seat  (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat - with shield (5) Booster seat - without shield (7) Other type child safety seat (specify):  (8) Unknown child safety seat type (9) Unknown if child safety seat used  57. Child Safety Seat Orientation (00) No child safety seat  Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify):  (09) Unknown orientation  Designed For Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation (specify):  (19) Unknown Design or Orientation For This Age/Weight (21) Rear facing (22) Forward facing (28) Other orientation (specify):  (19) Unknown orientation (99) Unknown orientation	Mot Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used (02) After market harness/shield/tether used (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used  Designed With Harness/Shield/Tether (11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used  Unknown if Designed With Harness/Shield/Tether (21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used

National Accident Sampling System-Crashworthiness Dat	a System: Occupant Assessment Form	Page
INJURY CONSEQUENCES		
(0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown  62. Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):  Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify):  (8) Transported to a medical facility-unknown if treated (9) Unknown	63. Type Of Medical Facility (for Initial Treatm (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify): (9) Unknown  64. Hospital Stay (00) Not Hospitalized  Code the number of days (up through that the occupant stayed in hospital. (61) 61 days or more (99) Unknown  65. Working Days Lost  Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown	00
STOP W	ORK HERE	
3/4515		

VARIABLES 66-74

TO BE CODED BY THE ZONE CENTER

# TO BE CODED BY THE ZONE CENTER

INJURY CONSEQUENCES	TRAUMA DATA
Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60)  (O0) Not fatal  (96) Fatal - ruled disease  (99) Unknown	71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
67. 1st Medically Reported Cause of Death	72. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given
68. 2nd Medically Reported Cause of Death	(specify units): (9) Unknown if blood given
69. 3rd Medically Reported Cause of DeathCode the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (00) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (specify):  (97) Other result (includes fatal ruled	73. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported, HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured
disease) (specify):	BELT USE DETERMINATION
70. Number of Recorded Injuries for This Occupant  Code the actual number of injuries recorded for this occupant.  (00) No recorded injuries  (97) Injured, details unknown  (99) Unknown if injured	74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used

PSU NUMBER

CASE NUMBER

OCCUPANT NUMBER

O9

OCCUPANT NUMBER

O1

# OCCUPANT INJURY FORM

THE FOLLOWING DATA IS NOT INCLUDED IN THIS CASE:

M	ENTIRE FORM	
	•	
[]	PAGE NUMBER (S)	•

U.S.-Department of Transportation

# SMASH PROGRAM SUMMARY

BEST AVAILABLE

(All Measurements In Metric)

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM **National Highway Traffic Safety** Administration Identifying Title Date (Month, day, year) of Run Primary Sequence No. Sampling Unit **GENERAL INFORMATION VEHICLE 1 VEHICLE 2 NASS Vehicle Number NASS Vehicle Number** Year Year Fuld Make Make 2000 Model Model **Body Style Body Style** CDC CDC **PDOF PDOF** Heading Angle **Heading Angle** VEHICLE SPECIFICATIONS **VEHICLE I VEHICLE 2** Wheelbase Wheelbase **Overall Length** cm Overall Length Overall Width Overall Width Weight Weight 1751 + 80 + 14 = 18 Occupant(s) Cargo Curb Occupant(s) Cargo **Engine Displacement Engine Displacement Drive System Drive System** Size Size Stiffness Stiffness **DAMAGE INFORMATION VEHICLE 2 VEHICLE I** Damage Known? Damage Known? Damage Length Damage Length cm **Damage Offset** Damage Offset cm Crush Depth: Crush Depth: cm cm cm C5 000 cm cm C6 0 00 cm

SCENE INFORMATION							
Rest and Impact Positions [ ] No [ ] Yes							
VEHICLE 1 VEHICLE 2							
Rest	X	m	Rest	X m			
Position	Υ	m	Position	Y m			
·	Heading Angle			Heading Angle			
Impact	x	m	Impact	X m			
Position	Υ	m	Position	Y m			
	Heading Angle	c		Heading Angle			
Slip Angle (-180 to	o +180)	· · ·	Slip Angle (-1	80 to +180) °			
		VEHICLE	MOTION				
Sustained Contact	[ ] No [ ] Yes VEHICLE 1		Sustained Cor	ntact [ ] No			
	[ ] No	<b>[ ] Yes</b> [ ] Yes	(1) / (0) / (1) /	ion [ ] No [ ] Yes Stop Before Rest [ ] No [ ] Yes			
End of Rotatio	on X	m	End of Ro	tation X m			
Position	Υ	m	Position	Y m			
	Heading Angle	[ ] Yes	Curved Path	Heading Angle °			
Point on Path	. m Y	. m	Point on F X	Path . m Y . m			
Rotation Direction Rotation > 360°	[ ] None [ ] CW [		0.000.000.000.000.000.000	ction [ ] None [ ] CW [ ] CCW			
	FRI	CTION IN	FORMATION				
Coefficient of Frie	ction						
Rolling Resistance				1			
Vehicl	le 1 Rolling Resistance		\	/ehicle 2 Rolling Resistance			
LF	·		L	.F			
RF	•		F	RF			
LR	·			_R			
RR	·		F	RR			
IF THIS COMM	ON IMPACT WAS WITH A C	DS VEHICLE	NOT IN TRANSPO	RT, FILL IN THE INFORMATION BELOW.			
Model Year:			The Weight, C Information fo	DC, Scene Data and Damage r this vehicle should be recorded above.			
Make:		Complete and ATTACH the appropriate					
Model:			1.00				
	VIN: damage sketch and dimensions to the form.						

# General Information

### PSU09 003K ZC1 RE-RUN

315°

Heading Angle:

	<u>Vehicle 1</u>	<u>Vehicle 2</u>
Year:	1984	1981
Make:	Pontiac	Ford
Model:	Sunbird	F250
Body Style:	4S	PU
CDC:	01FREN1	01RBEW2
Damaged Side:		
PDOF:	30°	20°

# Vehicle Information

130°

<u>Vehicle 1</u>	<u>Vehicle 2</u>
257.0 cm	338.0 cm
447.0 cm	529.0 cm
174.0 cm	196.0 cm
1437.0 kg	1845.0 kg
211.6 cm	264.7 cm
134.1 cm	158.7 cm
99.2 sqrt(N)	54.5 sqrt(N)
6.5 sqrt(N)/cm	5.7 sqrt(N)/cm
2	6
9	6
	257.0 cm 447.0 cm 174.0 cm 1437.0 kg 211.6 cm 134.1 cm 99.2 sqrt(N) 6.5 sqrt(N)/cm

Vehicle 1: Used d0 and d1 values estimated from the vehicle size. Vehicle 2: Used d0 and d1 values estimated from the vehicle size.

PSU09 003K ZC1 RE-RUN WinSMASH 1.1.0

Page 1 1997

# Damage Information

	Vehicle 1	Vehicle 2
Damage Length:	151.0 cm	251.0 cm
Damage Offset:	53.0 cm	-158.0 cm
Field L - D:	0.0 cm	0.0 cm
C1:	0.0 cm	6.0 cm
C2:	0.0 cm	15.0 cm
C3:	0.0 cm	1.0 cm
C4:	, 0.0 cm	11.0 cm
C5:	5.0 cm	0.0 cm
C6:	21.0 cm	0.0 cm

# Summary of Results Using Damage

# Vehicle 1

Speed Change

(Damage)

Total: 12.5 km/h
Longitudinal: -10.8 km/h
Latitudinal: -6.2 km/h

PDOF: 30°

Energy Dissipated: 11,686 Joules Barrier Equivalent Speed: 11.5 km/h

Used d0 and d1 values estimated from the vehicle size.

# Vehicle 2

Speed Change

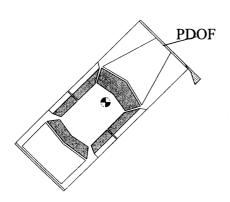
(Damage)

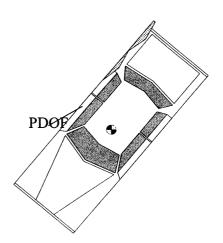
Total: 9.7 km/h
Longitudinal: -9.1 km/h
Latitudinal: -3.3 km/h
PDOF: 20°

Energy Dissipated: 10,683 Joules Barrier Equivalent Speed: 10.7 km/h

Used d0 and d1 values estimated from the vehicle size.

Page 3 1997





1984 Pontiac Sunbird 4S

1981 Ford F250 PU

BEST AVAILABLE

```
96010191000
                                                96
                                                     96
09003K00000011
               969.0000000000000221190000002
                                          96
00100000001019106
               0306
               969.0010000000000102F0231R
09003K00010012
               969.0010000000000102T3100N
09003K00020012
                                                  0199906409600
                                                                 20
                9.00 0000000008422016041G2AB6901E7
09003K01000021
0211222000010150032198
                9.00 00000000105050001100000203131620099799700005999 999 99
09003K01000022
9999999909997302
                9.00 000000000023100TYDD04010201FREE01
09003K01000031
  1510000000000000005021+05399803625714001000301040101001000
                 9.00 00000000012331300000012222202122221013161610111911101
09003K01000041
                9.00 00000000013133113162113062123132113142113072311161111115
09003K01000042
12131512111311220000010700010
                 09003K01010051
9.00 0000000007640278166032300
09003K01010161
                 9.00 0000000007640478176032300
09003K01010261
                 09003K01020051
0000000000010113141000000000002310599000000004159011
                 9.00 0000000007190600192042105
09003K01020161
                 9.00 0000000003490202191521100
09003K01020261
                 9.00 000000003450804241522100
09003K01020361
                 9.00 0000000002160602202042105
09003K01020461
                 9.00 000000000201170068221000000430000000000400000000000000000
09003K01030051
000000000000311011000000000000650097000000001021011
                 9.00 0000000007640678186032300
09003K01030161
                 09003K01040051
09003K01050051
0199906409600
                                                                  90
                 9.00 0000000008112481311FTEF25E4BN
09003K02000021
0211222000990554011198
                 9.00 00000000010101000175001000000000013031500001010-009-00
09003K02000022
5013499810090301
                                                 251006015001011000000-
                 9.00 00000000010101RBEW02
09003K02000031
                       99824233817001000401050101001000
158
                 9.00 0000000000110000000012200202111002031110010111100101
09003K02000041
                 9.00 000000000
09003K02000042
            100000021200010
                 09003K02010051
9.00 000000000TWD CAR, ROLLOVER
09003K00000066
                 9.00 000000000Vehicle one was traveling north on a two lane
09003K00000171
undivided road.
              Vehicle two
                 9.00 00000000was stopped on the north-bound road edge, part
09003K00000271
ially in the road, facing
                 9.00 000000000south. The front of vehicle one struck the ri
09003K00000371
aht side of vehicle two.
                 9.00 00000000then rolled over one-half turn, comming to res
09003K00000471
t in the north-bound lane.
                 9.00 00000000Both vehicles were towed due to damage. One o
09003K00000571
ocupant of V1 was transported
09003K00000671
                 9.00 000000000with "B" injuries.
                                            1984 Pontiac Sumbird
                                                              Top
09003K00000181
                 9.00 00000000001 Compact
    Severe
              None
                 9.00 000000000
                                            2000
09003K00000281
                                            1981 Ford F250 Custom Right
09003K00000381
                 9.00 00000000000 Large Pickup
    Moderate
              None
                                                Lap/Shldr
                                                         neck
09003K00000191
                 9.00 00000000001 Driver
                                       L-Front
         1 impact force
                                                                   1
09003K00000291
                 9.00 00000000001 Passngr
                                       R-Front
                                                Lap/Shldr
                                                         head
aceration 1 roof side rail
09003K00000391
                 9.00 00000000001 Passngr
                                       L-Rear
                                                None
                                                          back
train
        1 impact force
                                                          no injuries
09003K00000491
                 9.00 00000000001 Passngr
                                       C-Rear
                                                None
                                                         no injuries
09003K00000591
                 9.00 00000000001 Passngr
                                       R-Rear
                                                None
                                                          no injuries
09003K00000691
                 9.00 00000000002 Driver
                                       L-Front
                                                None
```

00001000000001

#### INTERIOR VEHICLE Vehicle: 1

11

#### INTRA ERRORS

	0000541	2	****** THIS CASE SHOWS A
POSSIBLE HOLED WINDSHIELD. *******	CC0542		***** CHECK YOUR DATA AND
IF CORRECT, NOTIFY YOUR ZONE *****	CC0543		GLAZING WINDSHIELD IV31 equ
als 3 or 5 or CONTACT WINDSHIELD IV39	000544		equals 4 or 6.

CC0921 2 If GLAZING RIGHT FRONT IV33 equals 6, then CONTACT RIGHT FRONT CC0922 IV41 should not equal 9.

O

OCCUPANT INJURY Vehicle: 1 Occupant: 2

11

#### INTRA ERRORS

		OTT0541	2	*****	THIS
IS A SPECIAL INTEREST CASE FOR NHTSA	*****	TT0542		*****	THIS CA
SE SHOWS A RESTRAINT AS THE INJURY SOURCE	*****	TT0543		*****	
FOR AN AIS-2 (OR GREATER) INJURY.	*****	TT0544		*****	CHECK FO
R ACCURATE AND COMPLETED DOCUMENTS & DATA	****	TT0545		****	IF GREAT
ER THAN AIS-2, CALL	*****	TT0546		INJURY	SOURCE O
I12(n) equals 152-154, 162 or 170-195 and	A.I.S.	TT0547		SEVERI	TY OI10(n
) equals 2-6.					

011

INTER ERRORS

OAHOO51 2 If CASE ACO2(4) equals C, D, J or K, then at least on e POLICE AHOO52 SEVERITY OA61 should equal 3.

01

PSU09

ERROR SUMMARY SCREEN

96

CASE 003K CURRENT VERSION: 9.00

FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Accident	0	0	0	Υ
General Vehicle	Ō	Ō	Ō	Ý
Vehicle Exterior	0	0	0	Υ
Vehicle Interior	0	0	2	Υ
Occupant Assessment	t O	0	0	Υ
Occupant Injury	O	О	1	Υ
Total Inter Errors		0	1	
Total Case Errors	0	0	c‡	

 $\bigcirc$ 

```
960156120
                969.040000000000221190000002
                                                    96
09003K00000011
                                              96
00100000001561206
                0306
09003K00010012
                969.0410000000000102F0231R
                969.0410000000000102T3100N
09003K00020012
                                                      0199906409600
                  9.04 0000000008422016041G2AB6901E7
09003K01000021
0211222000010150032198
                  9.04 00000000105050001100000203131620099799700005999 999
09003K01000022
9999999909997302
                  9.04 000000000023100TYDD04010201FREE01
09003K01000031
   151000000000000005021+05399803625714001000301040101001000
                  9.04 00000000012331300000012222202122221013161610111911101
09003K01000041
                  9.04 00000000013133113162113062123132113142113072311161111
09003K01000042
12131512111311220000010700010
                  09003K01010051
9.04 0000000007640278166032300
09003K01010161
                  9.04 0000000007640478176032300
09003K01010261
                  9.04 00000000192168054213000000440411100000400000000000
09003K01020051
000000000001011314100000000000023105990000000004159011
09003K01020161
                  9.04 0000000007190600192042105
                  9.04 0000000003490202191521100
09003K01020261
                  9.04 0000000003450804241522100
09003K01020361
                  9.04 0000000002160602202042105
09003K01020461
                  9.04 000000000201170068221000000430000000000400000000000
09003K01030051
\tt 00000000000031101100000000000006500970000000001021011
09003K01030161
                  9.04 0000000007640678186032300
                  9.04 000000001821800732220000043000000004000000000000
09003K01040051
9.04 0000000002111800732230000004300000000004000000000000
09003K01050051
9.04 0000000008112481311FTEF25E4BN
                                                       0199906409600
09003K02000021
0211222000990554011198
                  9.04 0000000010101000175001000000000013031500001010-009-
09003K02000022
3010799810110301
                                                     25100601500101100000
09003K02000031
                  9.04 00000000010101RBEW02
                          99824233817001000401050101001000
158
                  9.04 0000000000110000000012200202111002031110010111100101
09003K02000041
09003K02000042
                  9.04 000000000
             100000021200010
09003K02010051
                  09003K00000066
                  9.04 000000000TWD CAR, ROLLOVER
                  9.04 00000000Vehicle one was traveling north on a two lan
09003K00000171
undivided road.
               Vehicle two
                  9.04 00000000was stopped on the north-bound road edge, pa
09003K00000271
ially in the road,
                 facing
                  9.04 000000000south. The front of vehicle one struck the
09003K00000371
ght side of vehicle two.
                       V1
                  9.04 00000000then rolled over one-half turn, comming to r
09003K00000471
t in the north-bound lane.
09003K00000571
                  9.04 00000000Both vehicles were towed due to damage.
ccupant of V1 was transported
09003K00000671
                  9.04 000000000with "B" injuries.
09003800000181
                  9.04 00000000001 Compact
                                               1984 Pontiac Sunbird
                                                                   Top
     Severe
               None
09003K00000281
                  9.04 000000000
                                                2000
                                                1981 Ford F250 Custom Righ
09003K00000381
                  9.04 00000000000 Large Pickup
     Moderate
               None
                  9.04 00000000001 Driver
09003K00000191
                                          L-Front
                                                    Lan/Shldr
                                                              neck
         1 impact force
train
                                                    Lap/Shldr
                                                              head
09003K00000291
                  9.04 00000000001 Passngr
                                          R-Front
aceration 1 roof side rail
                                                              back
09003K00000391
                                                    None
                  9.04 00000000001 Passngr
                                          L-Rear
train
         1 impact force
                                                              no injurie
09003K00000491
                  9.04 00000000001 Passngr
                                          C-Rear
                                                    None
                                                              no injurie
09003K00000591
                  9.04 00000000001 Passngr
                                          R-Rear
                                                    None
                                                             · no injurie
09003K00000691
                  9.04 00000000002 Driver
                                          L-Front
                                                    None
```

000010000000001

INTERIOR VEHICLE Vehicle: 1

11

INTRA ERRORS

POSSIBLE HOLED WINDSHIELD. \*\*\*\*\*\*\* CC0541 2 \*\*\*\*\*\* THIS CASE SHOWS

FORRECT, NOTIFY YOUR ZONE \*\*\*\*\*\* CC0542 \*\*\*\*\*\* CHECK YOUR DATA AND

GLAZING WINDSHIELD IV31 et als 3 or 5 or CONTACT WINDSHIELD IV39 CC0544 equals 4 or 6.

CC0921 2 If GLAZING RIGHT FRONT IV33 equals 6, then CONTACT RIGHT FRONT CC0922 IV41 should not equal 9.

 $\circ$ 

OCCUPANT INJURY Vehicle: 1 Occupant: 2

11

INTRA ERRORS

		OTTO541	2	****	TH
IS A SPECIAL INTEREST CASE FOR NHTSA	*****	TT0542		*****	THIS
SE SHOWS A RESTRAINT AS THE INJURY SOURCE	****	TT0543		****	
FOR AN AIS-2 (OR GREATER) INJURY.	****	TT0544		*****	CHECK
R ACCURATE AND COMPLETED DOCUMENTS & DATA	****	TT0545		****	
ER THAN AIS-2, CALL	*****	TT0546		INJURY	SOURCE
I12(n) equals 152-154, 162 or 170-195 and	A.I.S.	TT0547		SEVERI	ry olio
) equals 2-6.					

011

INTER ERRORS

oAH0051 2 If CASE AC02(4) equals C, D, J or K, then at least e POLICE AH0052 SEVERITY OA61 should equal 3.

01

PSU09

ERROR SUMMARY SCREEN

97

CASE 003K CURRENT VERSION: 9.04

FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
O a series al an analysis	0	0	0	Y
Accident			Ö	Ÿ
General Vehicle	O	O		•
Vehicle Exterior		0	0	Υ
Vehicle Interior	0	$\circ$	2	Υ
Occupant Assessment	t o	0	0	Υ ,
Occupant Injury	0	0	4	Υ
Total Inter Errors		0	1	
Total Case Errors	0	0	4	

# **SLIDE INDEX**

Primary S	ampling Ur	nit Number	29 Case Number-Stratum 003 K
Slide No.	Vehicle No.	Direction of Picture	Description of Slide Subject Matter
1-6	1	N/W	Approach
7	1+2	N/N	Approach Impact VIIV2
8-9	1	N/W	Continue to Rollour
10	1+2	5/E	Look Back
11-25	/		Exterior Event 1
26-29	1		Exterior Event 2 - Rollows
30-31	1		645 Tank + Filler Cap
30-47	. /		Interior
48-52	. 1		Occupant Condet Points
53-66	2		Exterior
<b>ダ</b> フ-ファ	2		Interior
7			
	*		

Slide No.	Vehicle No.	Direction of Picture	Description of Slide Subject Matter
-			
,			
		· · · · · · · · · · · · · · · · · · ·	
		·	
·			































Best Available





Best Available





M (1990)#18





ilable



Best Available



PSU 09-003K (1996) #23 Best Available











J3K (1996)#2











Available









Best Available



lable



Best Available



Best Available





3K (1996)#



)03K (1996)#





ailable







PSU 09-003K (1996) #48 Best Available







































PSU 09-003K (1996) #67



3K (1996)#6







Best Available







PSU 09-003K (1996) #74 Best Available





